

LAND APPLICATION SITE

WILLIAM D. ALLEN III

DWWDA 1 - 28

DINWIDDIE COUNTY

VIRGINIA POLLUTION ABATEMENT PERMIT APPLICATION

FORM D: MUNICIPAL EFFLUENT AND BIOSOLIDS

PART D-VI: LAND APPLICATION AGREEMENT - BIOSOLIDS AND INDUSTRIAL RESIDUALS

A. This land application agreement is made on 1-22-20 between William D. Allen III referred to here as "Landowner", and Recyc Systems, Inc. referred to here as the "Permittee". This agreement remains in effect until it is terminated in writing by either party or, with respect to those parcels that are retained by the Landowner in the event of a sale of one or more parcels, until ownership of all parcels changes. If ownership of individual parcels identified in this agreement changes, those parcels for which ownership has changed will no longer be authorized to receive biosolids or industrial residuals under this agreement.

Landowner:

The Landowner is the owner of record of the real property located in Dinwiddie Virginia, which includes the agricultural, silvicultural or reclamation sites identified below in Table 1 and identified on the tax map(s) with county documentation identifying owners, attached as Exhibit A.

Table 1.: Parcels authorized to receive biosolids, water treatment residuals or other industrial sludges			
Tax Parcel ID	Tax Parcel ID	Tax Parcel ID	Tax Parcel ID
<u>14-6</u>			
<u>14-5A</u>			
<u>14-5B</u>			

☐ Additional parcels containing Land Application Sites are identified on Supplement A (check if applicable)

Check one: ☒ The Landowner is the sole owner of the properties identified herein.
☐ The Landowner is one of multiple owners of the properties identified herein.

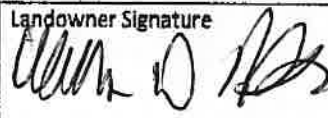
In the event that the Landowner sells or transfers all or part of the property to which biosolids have been applied within 38 months of the latest date of biosolids application, the Landowner shall:

1. Notify the purchaser or transferee of the applicable public access and crop management restrictions no later than the date of the property transfer; and
2. Notify the Permittee of the sale within two weeks following property transfer.

The Landowner has no other agreements for land application on the fields identified herein. The Landowner will notify the Permittee immediately if conditions change such that the fields are no longer available to the Permittee for application or any part of this agreement becomes invalid or the information herein contained becomes incorrect.

The Landowner hereby grants permission to the Permittee to land apply residuals as specified below, on the agricultural sites identified above and in Exhibit A. The Landowner also grants permission for DEQ staff to conduct inspections on the land identified above, before, during or after land application of permitted residuals for the purpose of determining compliance with regulatory requirements applicable to such application.


<u>Class B biosolids</u>	<u>Water treatment residuals</u>	<u>Food processing waste</u>	<u>Other industrial sludges</u>
<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No

Printed name <u>William D. Allen, III</u>	Mailing Address <u>PO Box 366</u> <u>Dinwiddie, VA 23841</u>	Landowner Signature 
By: <u>Owner</u>	Phone No. <u>804-469-3977</u>	
<input type="checkbox"/> I certify that I have authority to sign for the landowner as indicated by my title as executor, Trustee or Power of attorney, etc. <input type="checkbox"/> I certify that I am a responsible official (or officer) authorized to act on behalf of the following corporation, partnership, proprietorship, LLC, municipality, state or federal agency, etc.		

Permittee:

Recyc Systems, Inc., the Permittee, agrees to apply biosolids and/or industrial residuals on the Landowner's land in the manner authorized by the VPA Permit Regulation and in amounts not to exceed the rates identified in the nutrient management plan prepared for each land application field by a person certified in accordance with \$10.1-104.2 of the Code of Virginia.

The Permittee agrees to notify the Landowner or the Landowner's designee of the proposed schedule for land application and specifically prior to any particular application to the Landowner's land. Notice shall include the source of residuals to be applied.

Printed name <u>Susan Trumbo</u>	Mailing Address <u>PO Box 562, Remington Virginia 22734</u>	Permittee- Authorized Representative Signature 
Title <u>Technical Manager</u>	Phone No. <u>540-547-3300</u>	

Permittee: Recyc Systems, Inc

County or City: Dinwiddie

Landowner: William D. Allen III

Landowner Site Management Requirements:

I, the Landowner, I have received a DEQ Biosolids Fact Sheet that includes information regarding regulations governing the land application of biosolids, the components of biosolids and proper handling and land application of biosolids.

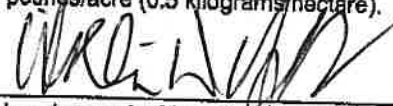
I have also been expressly advised by the Permittee that the site management requirements and site access restrictions identified below must be complied with after biosolids have been applied on my property in order to protect public health, and that I am responsible for the implementation of these practices.

I agree to implement the following site management practices at each site under my ownership following the land application of biosolids at the site:

1. Notification Signs: I will not remove any signs posted by the Permittee for the purpose of identifying my field as a biosolids land application site, unless requested by the Permittee, until at least 30 days after land application at that site is completed.
2. Public Access
 - a. Public access to land with a high potential for public exposure shall be restricted for at least one year following any application of biosolids.
 - b. Public access to land with a low potential for public exposure shall be restricted for at least 30 days following any application of biosolids. No biosolids amended soil shall be excavated or removed from the site during this same period of time unless adequate provisions are made to prevent public exposure to soil, dusts or aerosols;
 - c. Turf grown on land where biosolids are applied shall not be harvested for one year after application of biosolids when the harvested turf is placed on either land with a high potential for public exposure or a lawn, unless otherwise specified by DEQ.
3. Crop Restrictions:
 - a. Food crops with harvested parts that touch the biosolids/soil mixture and are totally above the land surface shall not be harvested for 14 months after the application of biosolids.
 - b. Food crops with harvested parts below the surface of the land shall not be harvested for 20 months after the application of biosolids when the biosolids remain on the land surface for a time period of four (4) or more months prior to incorporation into the soil,
 - c. Food crops with harvested parts below the surface of the land shall not be harvested for 38 months when the biosolids remain on the land surface for a time period of less than four (4) months prior to incorporation.
 - d. Other food crops and fiber crops shall not be harvested for 30 days after the application of biosolids;
 - e. Feed crops shall not be harvested for 30 days after the application of biosolids (60 days if fed to lactating dairy animals).
4. Livestock Access Restrictions:

Following biosolids application to pasture or hayland sites:

 - a. Meat producing livestock shall not be grazed for 30 days,
 - b. Lactating dairy animals shall not be grazed for a minimum of 60 days.
 - c. Other animals shall be restricted from grazing for 30 days;
5. Supplemental commercial fertilizer or manure applications will be coordinated with the biosolids and industrial residuals applications such that the total crop needs for nutrients are not exceeded as identified in the nutrient management plan developed by a person certified in accordance with §10.1-104.2 of the Code of Virginia;
6. Tobacco, because it has been shown to accumulate cadmium, should not be grown on the Landowner's land for three years following the application of biosolids or industrial residuals which bear cadmium equal to or exceeding 0.45 pounds/acre (0.5 kilograms/hectare).


Landowner's Signature

1-22-20
Date


Operator's Signature

1876 Zilles Rd.
Blackstone, VA 23824
804-731-3103
mailing address & phone

1-22-20
Date

VIRGINIA POLLUTION ABATEMENT PERMIT APPLICATION FORM D: MUNICIPAL EFFLUENT AND BIOSOLIDS

PART D-VI: LAND APPLICATION AGREEMENT - BIOSOLIDS AND INDUSTRIAL RESIDUALS

A. This land application agreement is made on 1-22-20 between Dubois LLC referred to here as "Landowner", and Recyc Systems, Inc. referred to here as the "Permittee". This agreement remains in effect until it is terminated in writing by either party or, with respect to those parcels that are retained by the Landowner in the event of a sale of one or more parcels, until ownership of all parcels changes. If ownership of individual parcels identified in this agreement changes, those parcels for which ownership has changed will no longer be authorized to receive biosolids or industrial residuals under this agreement.

Landowner:

The Landowner is the owner of record of the real property located in Dinwiddie, Virginia, which includes the agricultural, silvicultural or reclamation sites identified below in Table 1 and identified on the tax map(s) with county documentation identifying owners, attached as Exhibit A.

Table 1.: Parcels authorized to receive biosolids, water treatment residuals or other industrial sludges			
Tax Parcel ID	Tax Parcel ID	Tax Parcel ID	Tax Parcel ID
<u>14-3</u>			
<u>13-6</u>			

☐ Additional parcels containing Land Application Sites are identified on Supplement A (check if applicable)

Check one: ☒ The Landowner is the sole owner of the properties identified herein.
☐ The Landowner is one of multiple owners of the properties identified herein.

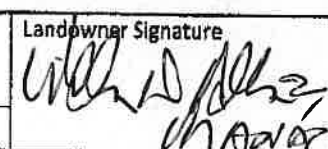
In the event that the Landowner sells or transfers all or part of the property to which biosolids have been applied within 38 months of the latest date of biosolids application, the Landowner shall:

1. Notify the purchaser or transferee of the applicable public access and crop management restrictions no later than the date of the property transfer; and
2. Notify the Permittee of the sale within two weeks following property transfer.

The Landowner has no other agreements for land application on the fields identified herein. The Landowner will notify the Permittee immediately if conditions change such that the fields are no longer available to the Permittee for application or any part of this agreement becomes invalid or the information herein contained becomes incorrect.

The Landowner hereby grants permission to the Permittee to land apply residuals as specified below, on the agricultural sites identified above and in Exhibit A. The Landowner also grants permission for DEQ staff to conduct inspections on the land identified above, before, during or after land application of permitted residuals for the purpose of determining compliance with regulatory requirements applicable to such application.

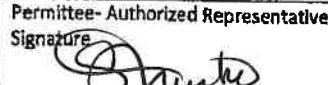
Class B biosolids Water treatment residuals Food processing waste Other industrial sludges
☒ Yes ☐ No ☒ Yes ☐ No ☒ Yes ☐ No ☒ Yes ☐ No

Printed name <u>Dubois LLC</u>	Mailing Address <u>PO Box 366</u>	Landowner Signature 
By: <u>William Allen</u>	<u>Dinwiddie, VA 23841</u>	
Title: <u>Manager</u>	Phone No. <u>804 469 3977</u>	
<input type="checkbox"/> I certify that I have authority to sign for the landowner as indicated by my title as executor, Trustee or Power of attorney, etc. <input checked="" type="checkbox"/> I certify that I am a responsible official [or officer] authorized to act on behalf of the following corporation, partnership, proprietorship, LLC, municipality, state or federal agency, etc.		

Permittee:

Recyc Systems, Inc., the Permittee, agrees to apply biosolids and/or industrial residuals on the Landowner's land in the manner authorized by the VPA Permit Regulation and in amounts not to exceed the rates identified in the nutrient management plan prepared for each land application field by a person certified in accordance with §10.1-104.2 of the Code of Virginia.

The Permittee agrees to notify the Landowner or the Landowner's designee of the proposed schedule for land application and specifically prior to any particular application to the Landowner's land. Notice shall include the source of residuals to be applied.

Printed name <u>Susan Trumbo</u>	Mailing Address <u>PO Box 562, Remington Virginia 22734</u>	Permittee- Authorized Representative Signature 
Title <u>Technical Manager</u>	Phone No. <u>540-547-3300</u>	

Permittee: Recyc Systems, Inc

County or City: Dinwiddie

Landowner: Dubois LLC

Landowner Site Management Requirements:

I, the Landowner, I have received a DEQ Biosolids Fact Sheet that includes information regarding regulations governing the land application of biosolids, the components of biosolids and proper handling and land application of biosolids.

I have also been expressly advised by the Permittee that the site management requirements and site access restrictions identified below must be complied with after biosolids have been applied on my property in order to protect public health, and that I am responsible for the implementation of these practices.

I agree to implement the following site management practices at each site under my ownership following the land application of biosolids at the site:

1. Notification Signs: I will not remove any signs posted by the Permittee for the purpose of identifying my field as a biosolids land application site, unless requested by the Permittee, until at least 30 days after land application at that site is completed.
2. Public Access
 - a. Public access to land with a high potential for public exposure shall be restricted for at least one year following any application of biosolids.
 - b. Public access to land with a low potential for public exposure shall be restricted for at least 30 days following any application of biosolids. No biosolids amended soil shall be excavated or removed from the site during this same period of time unless adequate provisions are made to prevent public exposure to soil, dusts or aerosols;
 - c. Turf grown on land where biosolids are applied shall not be harvested for one year after application of biosolids when the harvested turf is placed on either land with a high potential for public exposure or a lawn, unless otherwise specified by DEQ.
3. Crop Restrictions:
 - a. Food crops with harvested parts that touch the biosolids/soil mixture and are totally above the land surface shall not be harvested for 14 months after the application of biosolids.
 - b. Food crops with harvested parts below the surface of the land shall not be harvested for 20 months after the application of biosolids when the biosolids remain on the land surface for a time period of four (4) or more months prior to incorporation into the soil,
 - c. Food crops with harvested parts below the surface of the land shall not be harvested for 38 months when the biosolids remain on the land surface for a time period of less than four (4) months prior to incorporation.
 - d. Other food crops and fiber crops shall not be harvested for 30 days after the application of biosolids;
 - e. Feed crops shall not be harvested for 30 days after the application of biosolids (60 days if fed to lactating dairy animals).
4. Livestock Access Restrictions:

Following biosolids application to pasture or hayland sites:

 - a. Meat producing livestock shall not be grazed for 30 days,
 - b. Lactating dairy animals shall not be grazed for a minimum of 60 days.
 - c. Other animals shall be restricted from grazing for 30 days;
5. Supplemental commercial fertilizer or manure applications will be coordinated with the biosolids and industrial residuals applications such that the total crop needs for nutrients are not exceeded as identified in the nutrient management plan developed by a person certified in accordance with §10.1-104.2 of the Code of Virginia;
6. Tobacco, because it has been shown to accumulate cadmium, should not be grown on the Landowner's land for three years following the application of biosolids or industrial residuals which bear cadmium equal to or exceeding 0.45 pounds/acre (0.5 kilograms/hectare).

Landowner's Signature

Date

Operator's Signature

Mailing address & phone

Date

10876 Zillis Rd.
Blackstone, VA 23824
804-731-3103

**VIRGINIA POLLUTION ABATEMENT PERMIT APPLICATION
FORM D: MUNICIPAL EFFLUENT AND BIOSOLIDS**

PART D-VI: LAND APPLICATION AGREEMENT - BIOSOLIDS AND INDUSTRIAL RESIDUALS

A. This land application agreement is made on 1-22-20 between Hobbs-Lewis LLC referred to here as "Landowner", and Recyc Systems, Inc. referred to here as the "Permittee". This agreement remains in effect until it is terminated in writing by either party or, with respect to those parcels that are retained by the Landowner in the event of a sale of one or more parcels, until ownership of all parcels changes. If ownership of individual parcels identified in this agreement changes, those parcels for which ownership has changed will no longer be authorized to receive biosolids or industrial residuals under this agreement.

Landowner:

The Landowner is the owner of record of the real property located in Dinwiddie Virginia, which includes the agricultural, silvicultural or reclamation sites identified below in Table 1 and identified on the tax map(s) with county documentation identifying owners, attached as Exhibit A.

Table 1.: Parcels authorized to receive biosolids, water treatment residuals or other industrial sludges			
Tax Parcel ID	Tax Parcel ID	Tax Parcel ID	Tax Parcel ID
#14-4			

☐ Additional parcels containing Land Application Sites are identified on Supplement A (check if applicable)

Check one: ☒ The Landowner is the sole owner of the properties identified herein.
☐ The Landowner is one of multiple owners of the properties identified herein.


In the event that the Landowner sells or transfers all or part of the property to which biosolids have been applied within 38 months of the latest date of biosolids application, the Landowner shall:

1. Notify the purchaser or transferee of the applicable public access and crop management restrictions no later than the date of the property transfer; and
2. Notify the Permittee of the sale within two weeks following property transfer.

The Landowner has no other agreements for land application on the fields identified herein. The Landowner will notify the Permittee immediately if conditions change such that the fields are no longer available to the Permittee for application or any part of this agreement becomes invalid or the information herein contained becomes incorrect.

The Landowner hereby grants permission to the Permittee to land apply residuals as specified below, on the agricultural sites identified above and in Exhibit A. The Landowner also grants permission for DEQ staff to conduct inspections on the land identified above, before, during or after land application of permitted residuals for the purpose of determining compliance with regulatory requirements applicable to such application.

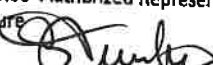
Class B biosolids Water treatment residuals Food processing waste Other industrial sludges
☒ Yes ☐ No ☒ Yes ☐ No ☒ Yes ☐ No ☒ Yes ☐ No

Printed name <u>Hobbs Lewis LLC</u>	Mailing Address <u>P.O. Box 366, Dinwiddie, Va.</u>	Landowner Signature 
By: <u>William D. ALLEN</u>	Phone No. <u>804 469 3977</u>	
Title* <u>MANAGER/MEMBER</u>		
<input type="checkbox"/> I certify that I have authority to sign for the landowner as indicated by my title as executor, Trustee or Power of attorney, etc. <input checked="" type="checkbox"/> I certify that I am a responsible official [or officer] authorized to act on behalf of the following corporation, partnership, proprietorship, LLC, municipality, state or federal agency, etc.		

Permittee:

Recyc Systems, Inc., the Permittee, agrees to apply biosolids and/or industrial residuals on the Landowner's land in the manner authorized by the VPA Permit Regulation and in amounts not to exceed the rates identified in the nutrient management plan prepared for each land application field by a person certified in accordance with §10.1-104.2 of the Code of Virginia.

The Permittee agrees to notify the Landowner or the Landowner's designee of the proposed schedule for land application and specifically prior to any particular application to the Landowner's land. Notice shall include the source of residuals to be applied.

Printed name <u>Susan Trumbo</u>	Mailing Address <u>P.O. Box 562, Remington Virginia 22734</u>	Permittee- Authorized Representative Signature 
Title <u>Technical Manager</u>	Phone No. <u>540-547-3300</u>	

Permittee: Recyc Systems, Inc
Landowner: Hobbs-Lewis LLC

County or City: Dinwiddie

Landowner Site Management Requirements:

I, the Landowner, I have received a DEQ Biosolids Fact Sheet that includes information regarding regulations governing the land application of biosolids, the components of biosolids and proper handling and land application of biosolids.

I have also been expressly advised by the Permittee that the site management requirements and site access restrictions identified below must be complied with after biosolids have been applied on my property in order to protect public health, and that I am responsible for the implementation of these practices.

I agree to implement the following site management practices at each site under my ownership following the land application of biosolids at the site:

1. Notification Signs: I will not remove any signs posted by the Permittee for the purpose of identifying my field as a biosolids land application site, unless requested by the Permittee, until at least 30 days after land application at that site is completed.
2. Public Access
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 - b. Public access to land with a low potential for public exposure shall be restricted for at least 30 days following any application of biosolids. No biosolids amended soil shall be excavated or removed from the site during this same period of time unless adequate provisions are made to prevent public exposure to soil, dusts or aerosols;
 - c. Turf grown on land where biosolids are applied shall not be harvested for one year after application of biosolids when the harvested turf is placed on either land with a high potential for public exposure or a lawn, unless otherwise specified by DEQ.
3. Crop Restrictions:
 - a. Food crops with harvested parts that touch the biosolids/soil mixture and are totally above the land surface shall not be harvested for 14 months after the application of biosolids.
 - b. Food crops with harvested parts below the surface of the land shall not be harvested for 20 months after the application of biosolids when the biosolids remain on the land surface for a time period of four (4) or more months prior to incorporation into the soil,
 - c. Food crops with harvested parts below the surface of the land shall not be harvested for 38 months when the biosolids remain on the land surface for a time period of less than four (4) months prior to incorporation.
 - d. Other food crops and fiber crops shall not be harvested for 30 days after the application of biosolids;
 - e. Feed crops shall not be harvested for 30 days after the application of biosolids (60 days if fed to lactating dairy animals).
4. Livestock Access Restrictions:

Following biosolids application to pasture or hayland sites:

 - a. Meat producing livestock shall not be grazed for 30 days.
 - b. Lactating dairy animals shall not be grazed for a minimum of 60 days.
 - c. Other animals shall be restricted from grazing for 30 days;
5. Supplemental commercial fertilizer or manure applications will be coordinated with the biosolids and industrial residuals applications such that the total crop needs for nutrients are not exceeded as identified in the nutrient management plan developed by a person certified in accordance with §10.1-104.2 of the Code of Virginia;
6. Tobacco, because it has been shown to accumulate cadmium, should not be grown on the Landowner's land for three years following the application of biosolids or industrial residuals which bear cadmium equal to or exceeding 0.45 pounds/acre (0.5 kilograms/hectare).

[Signature]
Landowner's Signature

1-22-20
Date

[Signature]
Operator's Signature

mailing address & phone

10876 Zillrs Rd.
Blackstone, VA 23824
804-731-3103

1-22-20
Date

[illegible]

FARM DATA SHEET

SITE NAME:	William D. Allen III	COUNTY:	Dinwiddie
OWNER:	William D. Allen III, Duboan LLC and Hobbs-Lewis LLC; William D. Allen III Manager of both	OPERATOR:	Harrison Moody
OWNER'S ADDRESS:	P.O. Box 366 Dinwiddie, VA 23841	OPERATOR'S ADDRESS:	10876 Zilles Road Dinwiddie, VA 23824
OWNER'S TELEPHONE:	804-469-3977	OPERATOR'S TELEPHONE:	804-265-8427
GENERAL FARM TYPE:	Row Crops/Hay/Pasture	CELL PHONE:	804-731-3103
# CATTLE:	50	EMAIL:	Harrison moody@hotmail.com
LAGOON or SLURRY:	None	LATITUDE:	F 1-11 37.187 F 12-25 37.186 F 26-28 37.175
TOPO QUAD:	Hebron	LONGITUDE:	F 1-11 -77.791 F 12-25 -77.779 F 26-28 -77.783
COMMENTS:	METHOD OF DETERMINATION: Online Maps		

BB
1-22-20

RECYC SYSTEMS, INC

FIELD DATA SHEET

Field Identification	Gross Acres	Environmentally Sensitive Soils				Hydro Map	Tax Map #	FSA Tract #
		Water Table	Bed Rock/ Shallow	Surf/ Leach	Freq Flood			
DWWDA 1	3.9	-	-	-	-	JA 37	13-6	T 5433 F 10
DWWDA 2	4.4	-	-	-	-	JA 37	13-6	T 5433 F 11
DWWDA 3	24.9	-	-	-	-	JA 37	13-6	T 5433 F 8, 9
DWWDA 4	5.7	-	-	-	-	JA 37	14-6	T 6051 F 12
DWWDA 5	17.8	16A Nov.-May	-	-	-	JA 37	13-6	T 5433 F 3
DWWDA 6	9.4	-	-	-	-	JA 37	13-6	T 5433 F 7
DWWDA 7	3.2	-	-	-	-	JA 37	13-6	T 5433 F 4
DWWDA 8	6.7	16A Nov.-May	-	-	-	JA 37	13-6	T 5433 F 2
DWWDA 9	11.4	-	-	-	-	JA 37	13-6	T 5433 F 5
DWWDA 10	9.0	-	-	-	-	JA 37	13-6	T 5433 F 6

1-22-20

DWWDA 11	11.2	-	-	-	-	JA 37	13-6	T 5433 F 1
DWWDA 12	12.6	-	-	-	-	JA 37	14-5B	T 6051 F 15, 16, 21
DWWDA 13	21.0	9B Jan.-Apr.	-	-	-	JA 37	14-5B	T 6051 F 17, 22, 19
DWWDA 14	8.8	-	-	-	-	JA 37	14-5B	T 6051 F 23
DWWDA 15	12.9	-	-	-	-	JA 37	14-5B	T 6051 F 24
DWWDA 16	6.5	-	-	-	-	JA 37	14-5B	T 6051 F 20
DWWDA 17	9.4	-	-	-	-	JA 37	14-5B	T 6051 F 25
DWWDA 18	9.2	-	-	-	-	JA 37	14-5B	T 6051 F 27
DWWDA 19	10.0	-	-	-	-	JA 37	14-5B	T 6051 F 28
DWWDA 20	6.4	-	-	-	-	JA 37	14-5A	T 6051 F 29
DWWDA 21	4.7	-	-	-	-	JA 37	14-5B	T 6051 F 30
DWWDA 22	19.7	9B Jan.-Apr.	-	-	-	JA 37	14-5B	T 6051 F 30
DWWDA 23	18.5	9B Jan.-Apr.	-	-	-	JA 37	14-5B	T 6051 F 30

1-22-20

DWWDA 24	8.1	-	-	-	-	JA 37	14-5B	T 6051 F 30
DWWDA 25	9.8	16A Nov.-May	-	-	-	JA 37	14-5B	T 6051 F 30
DWWDA 26	10.6	9B Jan.-Apr.	-	-	-	JA 37	14-4	T 6050 F 51
DWWDA 27	8.6	-	-	-	-	JA 37	14-4	T 6050 F 48
DWWDA 28	6.0	-	-	-	-	JA 37	14-3	T 5699 F 1, 3
TOTAL ACRES IN SITE	290.4							

1-22-20

THE PLANNER IS NOT STATE CERTIFIED

Nutrient Management Plan Balance Sheet
(Spring, 2020-Summer, 2022)
WD Allen
Planner: John Doe

Tract: 5433 Location: Dinwiddie
(N = N based, 1P = P based, 1.5P = P based at 1.5 removal, 0P = No P allowed)

Field CFSA No. /Name	Size (ac) Total/ Used	Yr.	Crop	Needs N-P-K (lbs/ac)	Leg /Man Resid	Manure/Biosld Rate & Type (season)	IT (d)	Man/Bios N-P-K (lbs/ac)	Net = Needs - appld N-P-K (lbs/ac)	Sum P rem cred	Commercial N-P-K (lbs/ac)	Notes	
10/DWWDA 1(N)	4/4	2020	Soybeans (FS)	0-60-60	0/0				0-60-60	N/A			
11/DWWDA 2(N)	4/4	2020	Soybeans (FS)	0-60-60	0/0				0-60-60	N/A			
8, 9/DWWDA 3(N)	25/25	2020	Soybeans (FS)	0-60-60	0/0				0-60-60	N/A			
3/DWWDA 5(N)	18/18	2020	Soybeans (FS)	0-60-60	0/0				0-60-60	N/A			
7/DWWDA 6(N)	9/9	2020	Soybeans (FS)	0-60-60	0/0				0-60-60	N/A			
4/DWWDA 7(N)	3/3	2020	Soybeans (FS)	0-60-60	0/0				0-60-60	N/A			
2/DWWDA 8(N)	7/7	2020	Soybeans (FS)	0-60-60	0/0				0-60-60	N/A			
5/DWWDA 9(N)	11/11	2020	Soybeans (FS)	0-60-60	0/0				0-60-60	N/A			
6/DWWDA 10(N)	9/9	2020	Soybeans (FS)	0-60-60	0/0				0-60-60	N/A			
1/DWWDA 11(N)	11/11	2020	Soybeans (FS)	0-60-60	0/0				0-60-60	N/A			

Commercial Application Methods:
br - Broadcast ba - Banded sd - Sidedress

Notes:

Tract: 5699

Location: Dinwiddie

(N = N based, 1P = P based, 1.5P = P based at 1.5 removal, 0P = No P allowed)

Field CFSA No. /Name	Size (ac) Total/ Used	Yr.	Crop	Needs N-P-K (lbs/ac)	Leg /Man Resid	Manure/Biosld Rate & Type (season)	IT (d)	Man/Bios N-P-K (lbs/ac)	Net = Needs - appld N-P-K (lbs/ac)	Sum P rem cred	Commercial N-P-K (lbs/ac)	Notes	
1, 3/DWWDA 28(N)	6/6	2020	Soybeans (FS)	0-60-60	0/0				0-60-60	N/A			

Commercial Application Methods:

br - Broadcast ba - Banded sd - Sidedress

Notes:

Tract: 6050

Location: Dinwiddie

(N = N based, 1P = P based, 1.5P = P based at 1.5 removal, 0P = No P allowed)

Field CFSA No. /Name	Size (ac) Total/ Used	Yr.	Crop	Needs N-P-K (lbs/ac)	Leg /Man Resid	Manure/Biosld Rate & Type (season)	IT (d)	Man/Bios N-P-K (lbs/ac)	Net = Needs - appld N-P-K (lbs/ac)	Sum P rem cred	Commercial N-P-K (lbs/ac)	Notes	
51/DWWDA 26(N)	11/11	2020	Soybeans (FS)	0-60-60	0/0				0-60-60	N/A			
48/DWWDA 27(N)	9/9	2020	Soybeans (FS)	0-60-60	0/0				0-60-60	N/A			

Commercial Application Methods:

br - Broadcast ba - Banded sd - Sidedress

Notes:

Tract: 6051

Location: Dinwiddie

(N = N based, 1P = P based, 1.5P = P based at 1.5 removal, 0P = No P allowed)

Field CFSA No. /Name	Size (ac) Total/ Used	Yr.	Crop	Needs N-P-K (lbs/ac)	Leg /Man Resid	Manure/Biosld Rate & Type (season)	IT (d)	Man/Bios N-P-K (lbs/ac)	Net = Needs - appld N-P-K (lbs/ac)	Sum P rem cred	Commercial N-P-K (lbs/ac)	Notes	
12/DWWDA 4(N)	6/6	2020	Soybeans (FS)	0-60-60	0/0				0-60-60	N/A			
15, 16, 21/DWWDA 12(N)	13/13	2020	Grass Pasture	50-80-80	0/0				50-80-80	N/A			
17, 22, 19/DWWDA 13(N)	21/21	2020	Grass Pasture	50-30-40	0/0				50-30-40	N/A			
23/DWWDA 14(N)	9/9	2020	Grass Pasture	50-30-40	0/0				50-30-40	N/A			
24/DWWDA 15(N)	13/13	2020	Grass Pasture	50-30-40	0/0				50-30-40	N/A			
20/DWWDA 16(N)	7/7	2020	Grass Pasture	50-80-80	0/0				50-80-80	N/A			
25/DWWDA 17(N)	9/9	2020	Grass Pasture	50-30-40	0/0				50-30-40	N/A			
27/DWWDA 18(N)	9/9	2020	Grass Pasture	50-30-40	0/0				50-30-40	N/A			
28/DWWDA 19(N)	10/10	2020	Grass Pasture	50-30-40	0/0				50-30-40	N/A			
29/DWWDA 20(N)	6/6	2020	Grass Pasture	50-30-40	0/0				50-30-40	N/A			
30/DWWDA 21(N)	5/5	2020	Grass Pasture	50-30-40	0/0				50-30-40	N/A			
30/DWWDA 22(N)	20/20	2020	Grass Pasture	50-30-40	0/0				50-30-40	N/A			
30/DWWDA 23(N)	19/19	2020	Grass Pasture	50-30-40	0/0				50-30-40	N/A			
30/DWWDA 24(N)	8/8	2020	Grass Pasture	50-30-40	0/0				50-30-40	N/A			
30/DWWDA 25(N)	10/10	2020	Grass Pasture	50-30-40	0/0				50-30-40	N/A			

Commercial Application Methods:

br - Broadcast ba - Banded sd - Sidedress

Notes:

Soil Test Summary

Tract	Field	Acre	Date	P2O5	K2O	Lab	Soil pH	Lime Date	rec. lime tons/Ac
5433	DWWDA 1	4	[No Test]						
5433	DWWDA 2	4	[No Test]						
5433	DWWDA 3	25	[No Test]						
5433	DWWDA 5	18	[No Test]						
5433	DWWDA 6	9	[No Test]						
5433	DWWDA 7	3	[No Test]						
5433	DWWDA 8	7	[No Test]						
5433	DWWDA 9	11	[No Test]						
5433	DWWDA 10	9	[No Test]						
5433	DWWDA 11	11	[No Test]						
5699	DWWDA 28	6	[No Test]						
6050	DWWDA 26	11	[No Test]						
6050	DWWDA 27	9	[No Test]						
6051	DWWDA 4	6	[No Test]						
6051	DWWDA 12	13	[No Test]						
6051	DWWDA 13	21	[No Test]						
6051	DWWDA 14	9	[No Test]						
6051	DWWDA 15	13	[No Test]						

6051	DWWDA 16	7	[No Test]
6051	DWWDA 17	9	[No Test]
6051	DWWDA 18	9	[No Test]
6051	DWWDA 19	10	[No Test]
6051	DWWDA 20	6	[No Test]
6051	DWWDA 21	5	[No Test]
6051	DWWDA 22	20	[No Test]
6051	DWWDA 23	19	[No Test]
6051	DWWDA 24	8	[No Test]
6051	DWWDA 25	10	[No Test]

Field Productivities for Major Crops

Tract Name	Tract/ Field	Field Name	Acres	Predominant Soil Series	Corn	Small Grain	Alfalfa	Grass Hay	Environmental Warnings
5433	5433/10	DWWDA 1	4	Appling	IVa	II	III	III	
	5433/11	DWWDA 2	4	Appling	IVa	II	III	III	
	5433/8, 9	DWWDA 3	25	Appling	IVa	II	III	III	
	5433/3	DWWDA 5	18	Appling	IVa	II	III	III	
	5433/7	DWWDA 6	9	Cecil	IVa	II	III	II	
	5433/4	DWWDA 7	3	Appling	IVa	II	III	III	
	5433/2	DWWDA 8	7	Appling	IVa	III	III	III	
	5433/5	DWWDA 9	11	Appling	IVa	II	III	III	
	5433/6	DWWDA 10	9	Appling	IVa	II	III	III	
	5433/1	DWWDA 11	11	Appling	IVa	II	III	III	
5699	5699/1, 3	DWWDA 28	6	Cecil	IVa	II	III	II	
6050	6050/51	DWWDA 26	11	Cecil	IVa	II	III	II	
	6050/48	DWWDA 27	9	Cecil	IVa	II	III	II	
6051	6051/12	DWWDA 4	6	Appling	IVa	II	III	III	
	6051/15, 16,	DWWDA 12	13	Cecil	IVa	II	III	II	
	6051/17, 22,	DWWDA 13	21	Cecil	IVa	III	III	III	
	6051/23	DWWDA 14	9	Appling	IVa	II	III	III	
	6051/24	DWWDA 15	13	Appling	IVa	II	III	III	
	6051/20	DWWDA 16	7	Cecil	IVa	II	III	II	
	6051/25	DWWDA 17	9	Appling	IVa	II	III	III	
	6051/27	DWWDA 18	9	Appling	IVa	II	III	III	
	6051/28	DWWDA 19	10	Appling	IVa	II	III	III	
	6051/29	DWWDA 20	6	Appling	IVa	II	III	III	
	6051/30	DWWDA 21	5	Appling	IVa	II	III	III	
	6051/30	DWWDA 22	20	Appling	IVa	II	III	III	
	6051/30	DWWDA 23	19	Appling	IVa	III	III	III	
	6051/30	DWWDA 24	8	Appling	IVa	II	III	III	
	6051/30	DWWDA 25	10	Appling	IVa	II	III	III	

Yield Range

Field Productivity	Corn Grain Bu/Acre	Barley/Intensive Wheat Bu/Acre	Std. Wheat Bu/Acre	Alfalfa Tons/Acre	Grass/Hay Tons/Acre
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Group					
I	>170	>80	>64	>6	>4.0
II	150-170	70-80	56-64	4-6	3.5-4.0
III	130-150	60-70	48-56	<4	3.0-3.5
IV	100-130	50-60	40-48	NA	<3.0
V	<100	<50	<40	NA	NA

Farm Summary Report

Plan: **New Plan** **Spring, 2020 - Summer, 2022**

Farm Name: **WD Allen**

Location: Dinwiddie

Specialist: John Doe

N-based Acres: 290.4

P-based Acres: 0.0

Tract Name: **5433**

FSA Number: 5433

Location: Dinwiddie

Field Name: **DWWDA 1**

Total Acres: 3.90 Usable Acres: 3.90

FSA Number: 10

Tract: 5433

Location: Dinwiddie

Slope Class: B Hydrologic Group: B

Riparian buffer width: 0 ft

Distance to stream: 0 ft

P-Index Summary

N-based

Phosphorus Limit method: Phosphorus Environmental Threshold (PET) method

Soil Test Results:

DATE	PH	P	K	Lab
[NO TEST]				

Soils:

PERCENT	SYMBOL	SOIL SERIES
79	2B	Appling
21	2C	Appling

Field Warnings:

Field Name: DWWDA 2

Total Acres: 4.40 Usable Acres: 4.40

FSA Number: 11

Tract: 5433

Location: Dinwiddie

Slope Class: B Hydrologic Group: B

Riparian buffer width: 0 ft

Distance to stream: 0 ft

P-Index Summary

N-based

Phosphorus Limit method: Phosphorus Environmental Threshold (PET) method

Soil Test Results:

DATE	PH	P	K	Lab
	[NO TEST]			

Soils:

PERCENT	SYMBOL	SOIL SERIES
100	2B Appling	

Field Warnings:

Field Name: DWWDA 3

Total Acres: 24.90 Usable Acres: 24.90

FSA Number: 8, 9

Tract: 5433

Location: Dinwiddie

Slope Class: B Hydrologic Group: B

Riparian buffer width: 0 ft

Distance to stream: 0 ft

P-Index Summary

N-based

Phosphorus Limit method: Phosphorus Environmental Threshold (PET) method

Soil Test Results:

DATE	PH	P	K	Lab
	[NO TEST]			

Soils:

PERCENT	SYMBOL	SOIL SERIES
61	2B	Appling
37	2C	Appling
2	4B	Cecil

Field Warnings:

Field Name: DWWDA 5

Total Acres: 17.80 Usable Acres: 17.80

FSA Number: 3

Tract: 5433

Location: Dinwiddie

Slope Class: B Hydrologic Group: B

Riparian buffer width: 0 ft

Distance to stream: 0 ft

P-Index Summary

N-based

Phosphorus Limit method: Phosphorus Environmental Threshold (PET) method

Soil Test Results:

DATE	PH	P	K	Lab
	[NO TEST]			

Soils:

PERCENT	SYMBOL	SOIL SERIES
72	2B	Appling
23	2C	Appling

5

16A Roanoke

Field Warnings:**Field Name: DWWDA 6**

Total Acres: 9.40 Usable Acres: 9.40

FSA Number: 7

Tract: 5433

Location: Dinwiddie

Slope Class: B Hydrologic Group: B

Riparian buffer width: 0 ft

Distance to stream: 0 ft

P-Index Summary

N-based

Phosphorus Limit method: Phosphorus Environmental Threshold (PET) method

Soil Test Results:

DATE	PH	P	K	Lab
	[NO TEST]			

Soils:

PERCENT	SYMBOL	SOIL SERIES
28	2B	Appling
72	4B	Cecil

Field Warnings:**Field Name: DWWDA 7**

Total Acres: 3.20 Usable Acres: 3.20

FSA Number: 4

Tract: 5433

Location: Dinwiddie

Slope Class: B Hydrologic Group: B

Riparian buffer width: 0 ft

Distance to stream: 0 ft

P-Index Summary

N-based

Phosphorus Limit method: Phosphorus Environmental Threshold (PET) method

Soil Test Results:

DATE	PH	P	K	Lab
	[NO TEST]			

Soils:

PERCENT	SYMBOL	SOIL SERIES
71	2B	Appling
29	2C	Appling

Field Warnings:

Field Name: DWWDA 8

Total Acres: 6.70 Usable Acres: 6.70

FSA Number: 2

Tract: 5433

Location: Dinwiddie

Slope Class: B Hydrologic Group: B

Riparian buffer width: 0 ft

Distance to stream: 0 ft

P-Index Summary

N-based

Phosphorus Limit method: Phosphorus Environmental Threshold (PET) method

Soil Test Results:

DATE	PH	P	K	Lab
	[NO TEST]			

Soils:

PERCENT	SYMBOL	SOIL SERIES
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71	2B	Appling
18	2C	Appling
11	16A	Roanoke

Field Warnings:

Field Name: DWWDA 9

Total Acres: 11.40 Usable Acres: 11.40

FSA Number: 5

Tract: 5433

Location: Dinwiddie

Slope Class: B Hydrologic Group: B

Riparian buffer width: 0 ft

Distance to stream: 0 ft

P-Index Summary

N-based

Phosphorus Limit method: Phosphorus Environmental Threshold (PET) method

Soil Test Results:

DATE	PH	P	K	Lab
	[NO TEST]			

Soils:

PERCENT	SYMBOL	SOIL SERIES
78	2B	Appling
23	2C	Appling

Field Warnings:

Field Name: DWWDA 10

Total Acres: 9.00 Usable Acres: 9.00

FSA Number: 6

Tract: 5433

Location: Dinwiddie

Slope Class: B Hydrologic Group: B

Riparian buffer width: 0 ft
Distance to stream: 0 ft

P-Index Summary

N-based

Phosphorus Limit method: Phosphorus Environmental Threshold (PET) method

Soil Test Results:

DATE	PH	P	K	Lab
	[NO TEST]			

Soils:

PERCENT	SYMBOL	SOIL SERIES
66	2B	Appling
34	4B	Cecil

Field Warnings:

Field Name: DWWDA 11

Total Acres: 11.20 Usable Acres: 11.20

FSA Number: 1

Tract: 5433

Location: Dinwiddie

Slope Class: B Hydrologic Group: B

Riparian buffer width: 0 ft
Distance to stream: 0 ft

P-Index Summary

N-based

Phosphorus Limit method: Phosphorus Environmental Threshold (PET) method

Soil Test Results:

DATE	PH	P	K	Lab
	[NO TEST]			

Soils:

PERCENT	SYMBOL	SOIL SERIES
54	2B	Appling
47	2C	Appling

Field Warnings:

Tract Name: 5699
FSA Number: 5699
Location: Dinwiddie

Field Name: DWWDA 28
Total Acres: 6.00 Usable Acres: 6.00
FSA Number: 1, 3
Tract: 5699
Location: Dinwiddie
Slope Class: B Hydrologic Group: B

Riparian buffer width: 0 ft
Distance to stream: 0 ft

P-Index Summary

N-based
Phosphorus Limit method: Phosphorus Environmental Threshold (PET) method

Soil Test Results:

DATE	PH	P	K	Lab
[NO TEST]				

Soils:

PERCENT	SYMBOL	SOIL SERIES
100	4B	Cecil

Field Warnings:

Tract Name: 6050
FSA Number: 6050
Location: Dinwiddie

Field Name: DWWDA 26

Total Acres: 10.60 Usable Acres: 10.60

FSA Number: 51

Tract: 6050

Location: Dinwiddie

Slope Class: B Hydrologic Group: B

Riparian buffer width: 0 ft

Distance to stream: 0 ft

P-Index Summary

N-based

Phosphorus Limit method: Phosphorus Environmental Threshold (PET) method

Soil Test Results:

DATE	PH	P	K	Lab
	[NO TEST]			

Soils:

PERCENT	SYMBOL	SOIL SERIES
93	4B	Cecil
7	9B	Helena

Field Warnings:**Field Name: DWWDA 27**

Total Acres: 8.60 Usable Acres: 8.60

FSA Number: 48

Tract: 6050

Location: Dinwiddie

Slope Class: B Hydrologic Group: B

Riparian buffer width: 0 ft

Distance to stream: 0 ft

P-Index Summary

N-based

Phosphorus Limit method: Phosphorus Environmental Threshold (PET) method

Soil Test Results:

DATE	PH	P	K	Lab
	[NO TEST]			

Soils:

PERCENT	SYMBOL	SOIL SERIES
100	4B Cecil	

Field Warnings:

Tract Name: 6051

FSA Number: 6051

Location: Dinwiddie

Field Name: DWWDA 4

Total Acres: 5.70 Usable Acres: 5.70

FSA Number: 12

Tract: 6051

Location: Dinwiddie

Slope Class: B Hydrologic Group: B

Riparian buffer width: 0 ft

Distance to stream: 0 ft

P-Index Summary

N-based

Phosphorus Limit method: Phosphorus Environmental Threshold (PET) method

Soil Test Results:

DATE	PH	P	K	Lab
	[NO TEST]			

Soils:

PERCENT	SYMBOL	SOIL SERIES
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100 2B Appling

Field Warnings:

Field Name: DWWDA 12

Total Acres: 12.60 Usable Acres: 12.60

FSA Number: 15, 16, 21

Tract: 6051

Location: Dinwiddie

Slope Class: B Hydrologic Group: B

Riparian buffer width: 0 ft

Distance to stream: 0 ft

Conservation Practices:

Pasture (>75% cover)

P-Index Summary

N-based

Phosphorus Limit method: Phosphorus Environmental Threshold (PET) method

Soil Test Results:

DATE	PH	P	K	Lab
	[NO TEST]			

Soils:

PERCENT	SYMBOL	SOIL SERIES
49	2B	Appling
51	4B	Cecil

Field Warnings:

Field Name: DWWDA 13

Total Acres: 21.00 Usable Acres: 21.00

FSA Number: 17, 22, 19

Tract: 6051

Location: Dinwiddie

Slope Class: B Hydrologic Group: B

Riparian buffer width: 0 ft
Distance to stream: 0 ft

Conservation Practices:

Pasture (>75% cover)

P-Index Summary

N-based

Phosphorus Limit method: Phosphorus Environmental Threshold (PET) method

Soil Test Results:

DATE	PH	P	K	Lab
	[NO TEST]			

Soils:

PERCENT	SYMBOL	SOIL SERIES
16	2B	Appling
64	4B	Cecil
20	9B	Helena

Field Warnings:

Field Name: DWWDA 14

Total Acres: 8.80 Usable Acres: 8.80

FSA Number: 23

Tract: 6051

Location: Dinwiddie

Slope Class: B Hydrologic Group: B

Riparian buffer width: 0 ft
Distance to stream: 0 ft

Conservation Practices:

Pasture (>75% cover)

P-Index Summary

N-based
Phosphorus Limit method: Phosphorus Environmental Threshold (PET) method

Soil Test Results:

DATE	PH	P	K	Lab
	[NO TEST]			

Soils:

PERCENT	SYMBOL	SOIL SERIES
100	2B Appling	

Field Warnings:

Field Name: DWWDA 15

Total Acres: 12.90 Usable Acres: 12.90

FSA Number: 24

Tract: 6051

Location: Dinwiddie

Slope Class: B Hydrologic Group: B

Riparian buffer width: 0 ft

Distance to stream: 0 ft

Conservation Practices:

Pasture (>75% cover)

P-Index Summary

N-based

Phosphorus Limit method: Phosphorus Environmental Threshold (PET) method

Soil Test Results:

DATE	PH	P	K	Lab
	[NO TEST]			

Soils:

PERCENT	SYMBOL	SOIL SERIES
100	2B Appling	

Field Warnings:**Field Name:** DWWDA 16

Total Acres: 6.50 Usable Acres: 6.50

FSA Number: 20

Tract: 6051

Location: Dinwiddie

Slope Class: B Hydrologic Group: B

Riparian buffer width: 0 ft

Distance to stream: 0 ft

Conservation Practices:

Pasture (>75% cover)

P-Index Summary

N-based

Phosphorus Limit method: Phosphorus Environmental Threshold (PET) method

Soil Test Results:

DATE	PH	P	K	Lab
[NO TEST]				

Soils:

PERCENT	SYMBOL	SOIL SERIES
37	2B	Appling
63	4B	Cecil

Field Warnings:**Field Name:** DWWDA 17

Total Acres: 9.40 Usable Acres: 9.40

FSA Number: 25

Tract: 6051

Location: Dinwiddie

Slope Class: B Hydrologic Group: B

Riparian buffer width: 0 ft
Distance to stream: 0 ft

Conservation Practices:
Pasture (>75% cover)

P-Index Summary
N-based
Phosphorus Limit method: Phosphorus Environmental Threshold (PET) method

Soil Test Results:
DATE PH P K Lab
 [NO TEST]

Soils:
PERCENT SYMBOL SOIL SERIES
100 2B Appling

Field Warnings:

Field Name: **DWWDA 18**
Total Acres: 9.20 Usable Acres: 9.20
FSA Number: 27
Tract: 6051
Location: Dinwiddie
Slope Class: B Hydrologic Group: B

Riparian buffer width: 0 ft
Distance to stream: 0 ft

Conservation Practices:
Pasture (>75% cover)

P-Index Summary
N-based
Phosphorus Limit method: Phosphorus Environmental Threshold (PET) method

Soil Test Results:

DATE	PH	P	K	Lab
[NO TEST]				

Soils:

PERCENT	SYMBOL	SOIL SERIES
100	2B Appling	

Field Warnings:**Field Name:** DWWDA 19

Total Acres: 10.00 Usable Acres: 10.00

FSA Number: 28

Tract: 6051

Location: Dinwiddie

Slope Class: B Hydrologic Group: B

Riparian buffer width: 0 ft

Distance to stream: 0 ft

Conservation Practices:

Pasture (>75% cover)

P-Index Summary

N-based

Phosphorus Limit method: Phosphorus Environmental Threshold (PET) method

Soil Test Results:

DATE	PH	P	K	Lab
[NO TEST]				

Soils:

PERCENT	SYMBOL	SOIL SERIES
100	2B Appling	

Field Warnings:

Field Name: DWWDA 20

Total Acres: 6.40 Usable Acres: 6.40

FSA Number: 29

Tract: 6051

Location: Dinwiddie

Slope Class: B Hydrologic Group: B

Riparian buffer width: 0 ft

Distance to stream: 0 ft

Conservation Practices:

Pasture (>75% cover)

P-Index Summary

N-based

Phosphorus Limit method: Phosphorus Environmental Threshold (PET) method

Soil Test Results:

DATE	PH	P	K	Lab
[NO TEST]				

Soils:

PERCENT	SYMBOL	SOIL SERIES
94	2B	Appling
6	2C	Appling

Field Warnings:**Field Name: DWWDA 21**

Total Acres: 4.70 Usable Acres: 4.70

FSA Number: 30

Tract: 6051

Location: Dinwiddie

Slope Class: B Hydrologic Group: B

Riparian buffer width: 0 ft

Distance to stream: 0 ft

Conservation Practices:

Pasture (>75% cover)

P-Index Summary

N-based

Phosphorus Limit method: Phosphorus Environmental Threshold (PET) method

Soil Test Results:

DATE	PH	P	K	Lab
[NO TEST]				

Soils:

PERCENT	SYMBOL	SOIL SERIES
73	2B	Appling
27	4B	Cecil

Field Warnings:**Field Name:** DWWDA 22

Total Acres: 19.70 Usable Acres: 19.70

FSA Number: 30

Tract: 6051

Location: Dinwiddie

Slope Class: B Hydrologic Group: B

Riparian buffer width: 0 ft

Distance to stream: 0 ft

Conservation Practices:

Pasture (>75% cover)

P-Index Summary

N-based

Phosphorus Limit method: Phosphorus Environmental Threshold (PET) method

Soil Test Results:

DATE	PH	P	K	Lab
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[NO TEST]

Soils:

PERCENT	SYMBOL	SOIL SERIES
88	2B	Appling
7	2C	Appling
5	9B	Helena

Field Warnings:

Field Name: DWWDA 23

Total Acres: 18.50 Usable Acres: 18.50

FSA Number: 30

Tract: 6051

Location: Dinwiddie

Slope Class: B Hydrologic Group: B

Riparian buffer width: 0 ft

Distance to stream: 0 ft

Conservation Practices:

Pasture (>75% cover)

P-Index Summary

N-based

Phosphorus Limit method: Phosphorus Environmental Threshold (PET) method

Soil Test Results:

DATE	PH	P	K	Lab
[NO TEST]				

Soils:

PERCENT	SYMBOL	SOIL SERIES
18	9B	Helena
82	2B	Appling

Field Warnings:

Field Name: DWWDA 24

Total Acres: 8.10 Usable Acres: 8.10

FSA Number: 30

Tract: 6051

Location: Dinwiddie

Slope Class: B Hydrologic Group: B

Riparian buffer width: 0 ft

Distance to stream: 0 ft

Conservation Practices:

Pasture (>75% cover)

P-Index Summary

N-based

Phosphorus Limit method: Phosphorus Environmental Threshold (PET) method

Soil Test Results:

DATE	PH	P	K	Lab
[NO TEST]				

Soils:

PERCENT	SYMBOL	SOIL SERIES
56	2B	Appling
45	2C	Appling

Field Warnings:**Field Name: DWWDA 25**

Total Acres: 9.80 Usable Acres: 9.80

FSA Number: 30

Tract: 6051

Location: Dinwiddie

Slope Class: B Hydrologic Group: B

Riparian buffer width: 0 ft

Distance to stream: 0 ft

Conservation Practices:

Pasture (>75% cover)

P-Index Summary

N-based

Phosphorus Limit method: Phosphorus Environmental Threshold (PET) method

Soil Test Results:

DATE	PH	P	K	Lab
	[NO TEST]			

Soils:

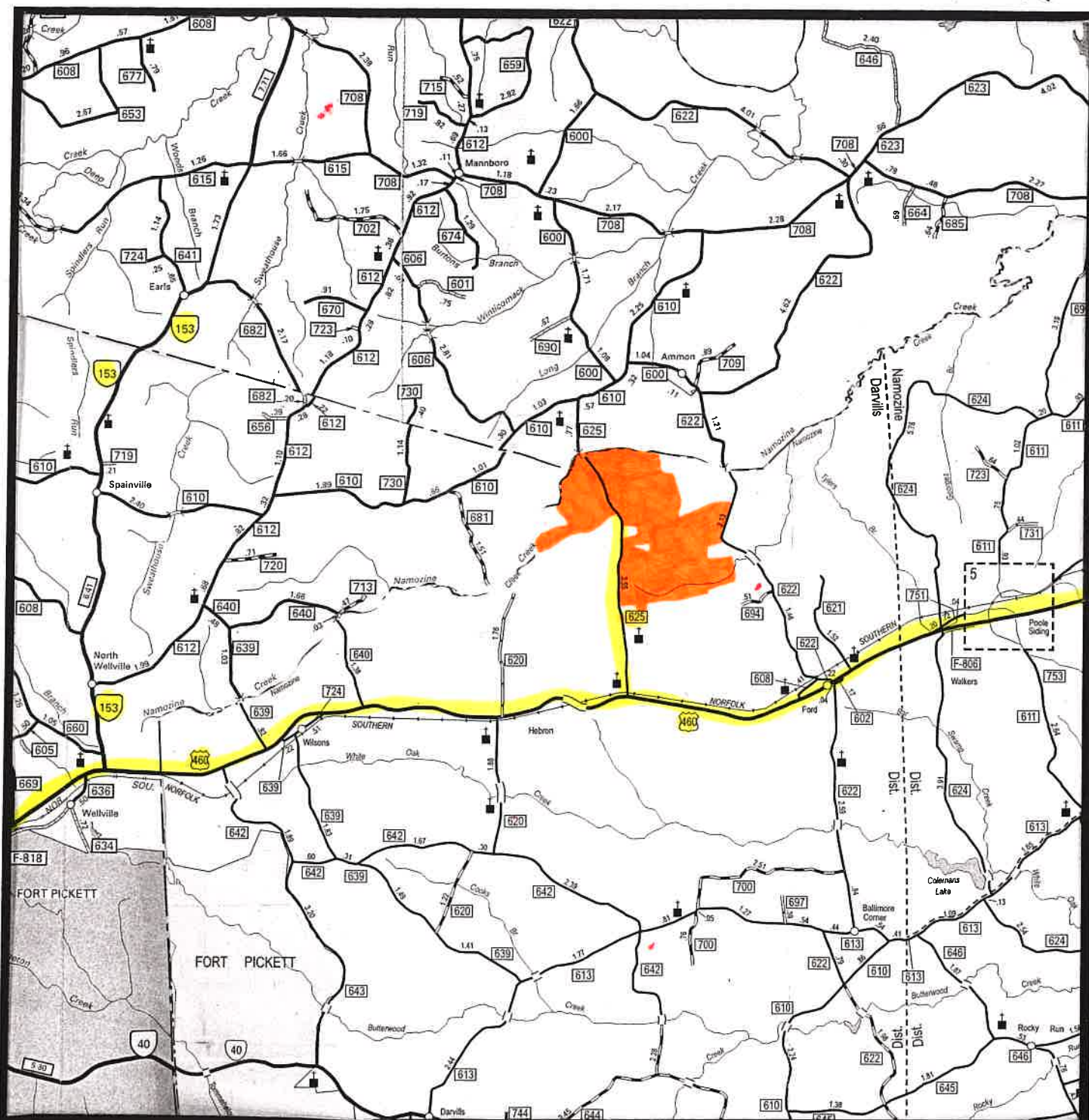
PERCENT	SYMBOL	SOIL SERIES
61	2B	Appling
30	2C	Appling
9	16A	Roanoke

Field Warnings:

MAPS

Recyc SystemsTM Inc.

(Biosolids Land Application)



Scale: 1" = 2 miles

DWWDA 1-28

Truck Route marked
in Yellow

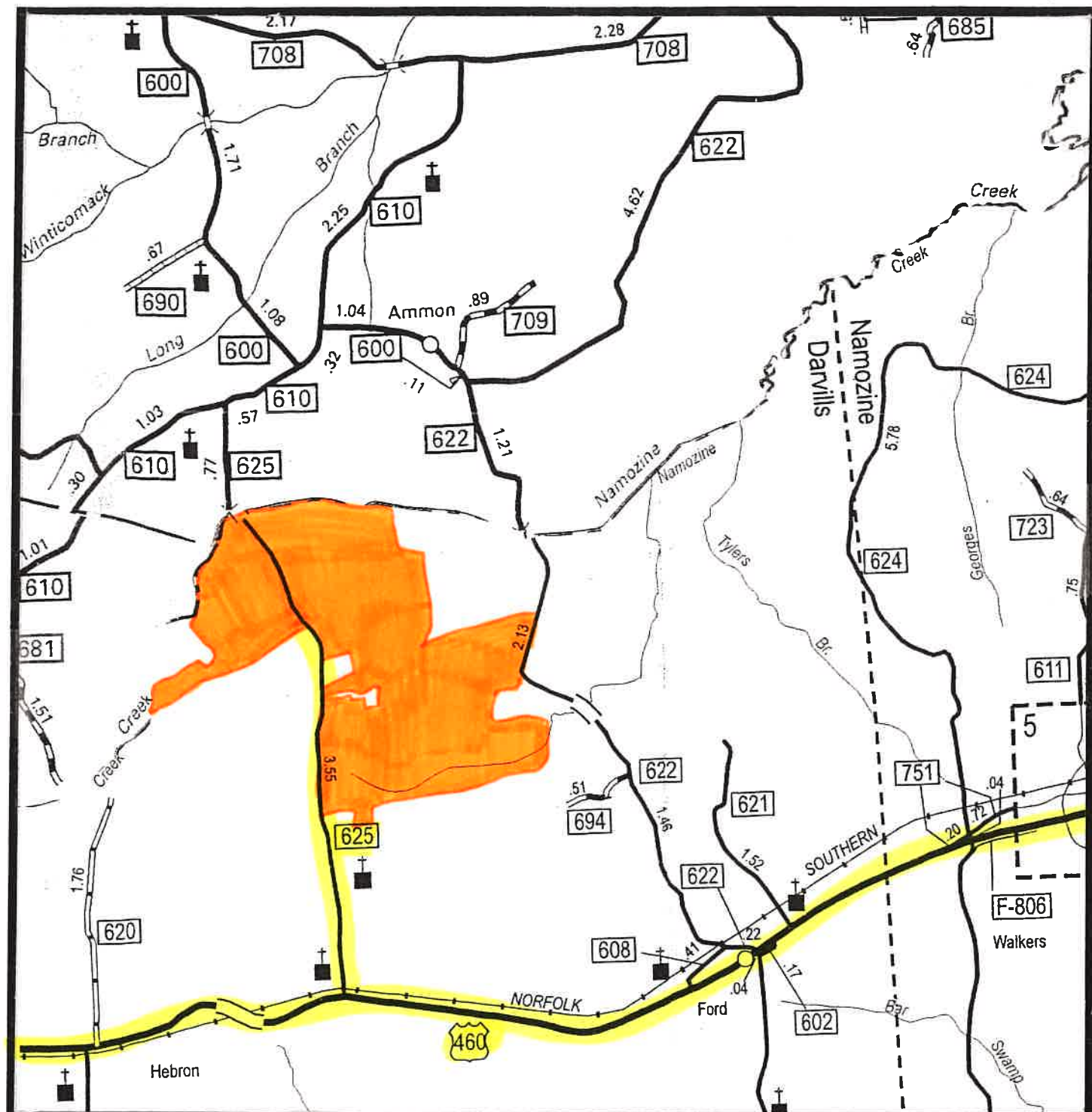
VICINITY MAP



1-22-20

Recyc SystemsTM Inc.

(Biosolids Land Application)



Scale: 1" = 1 mile

DWWDA 1-28

Truck Route marked
in Yellow

VICINITY MAP

1-22-20





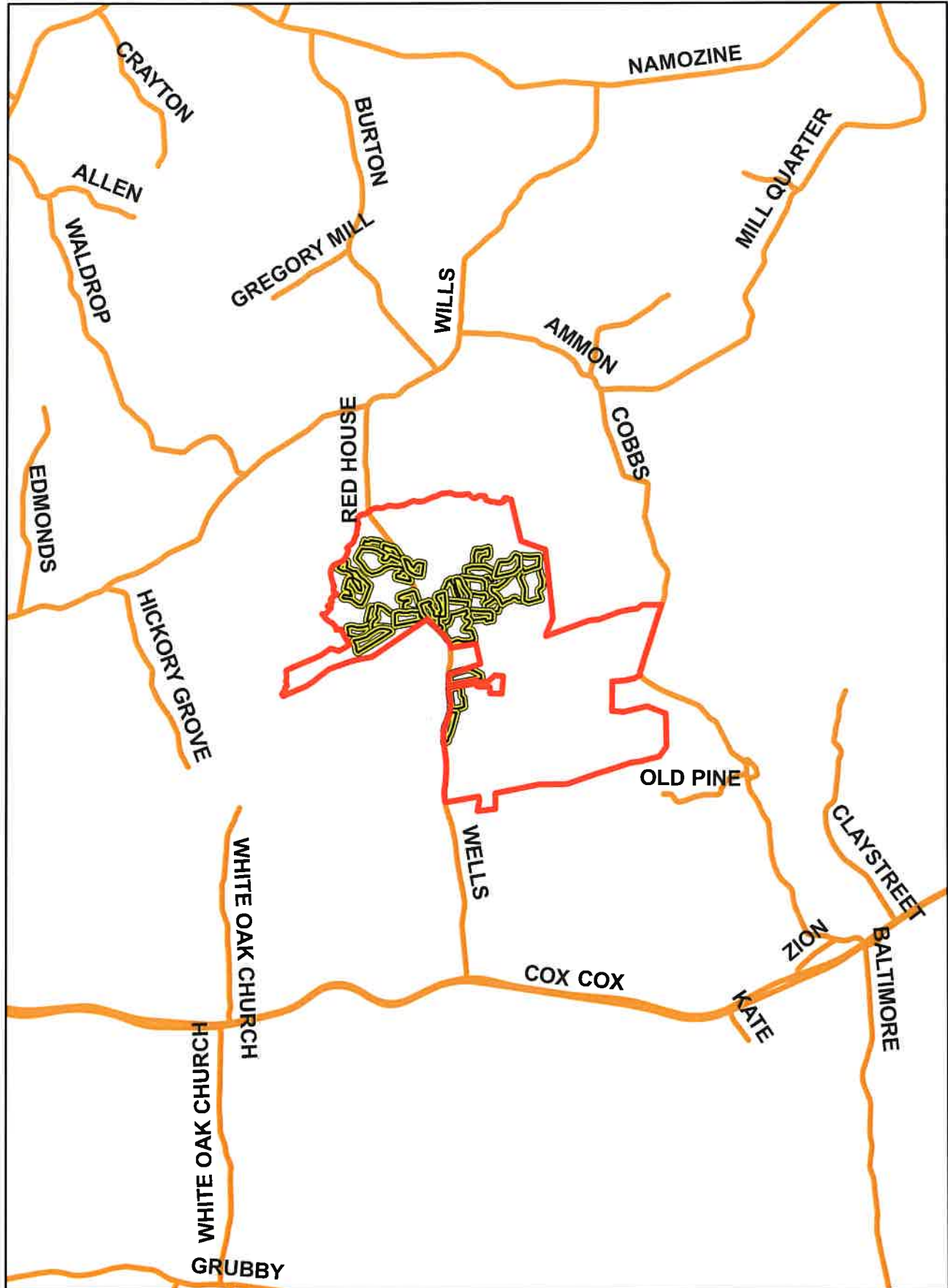
DWWDA



Vicinity Map

1 in = 2 miles



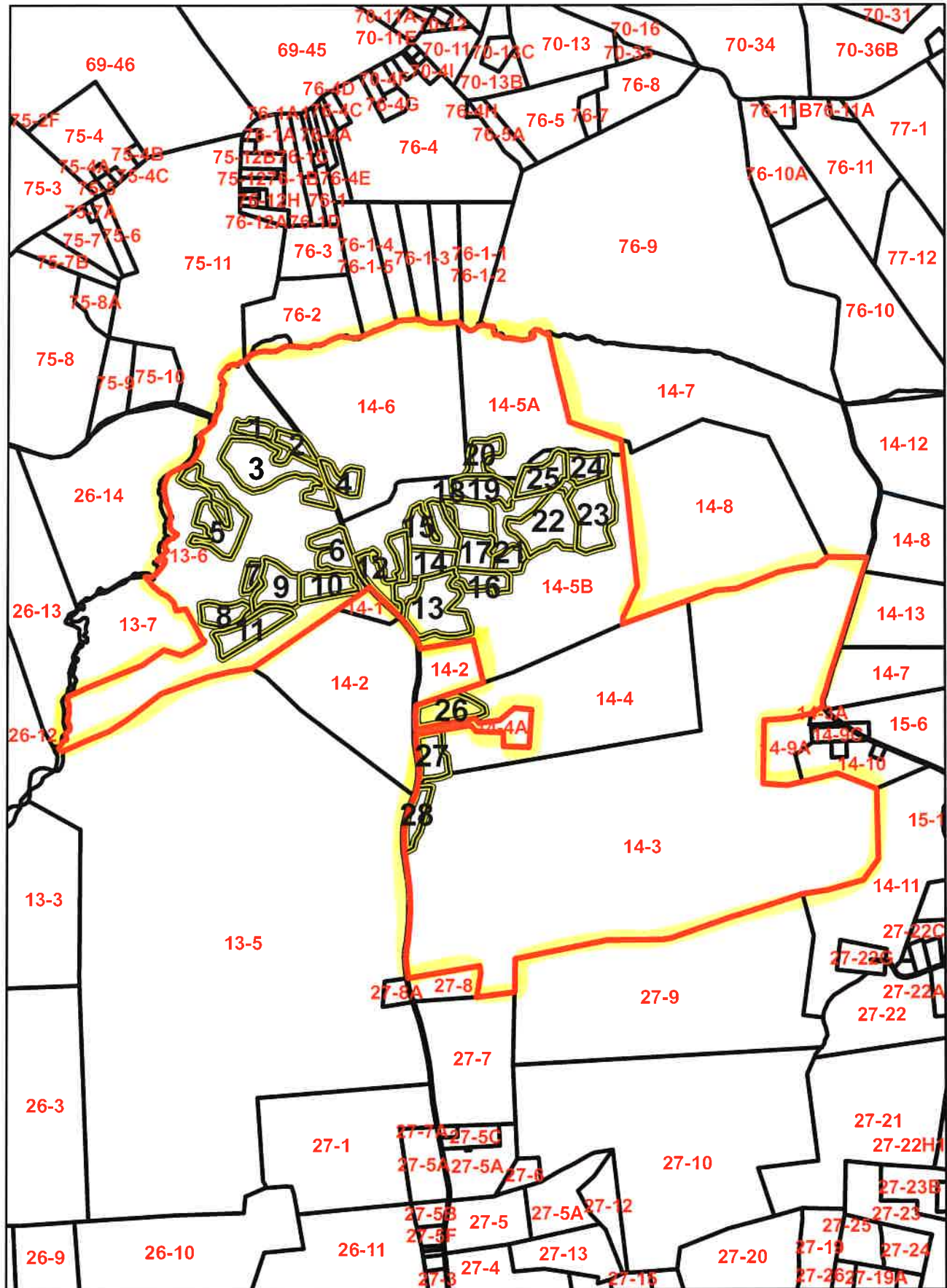


1-22-20

Vicinity Map

1 in = 1 miles

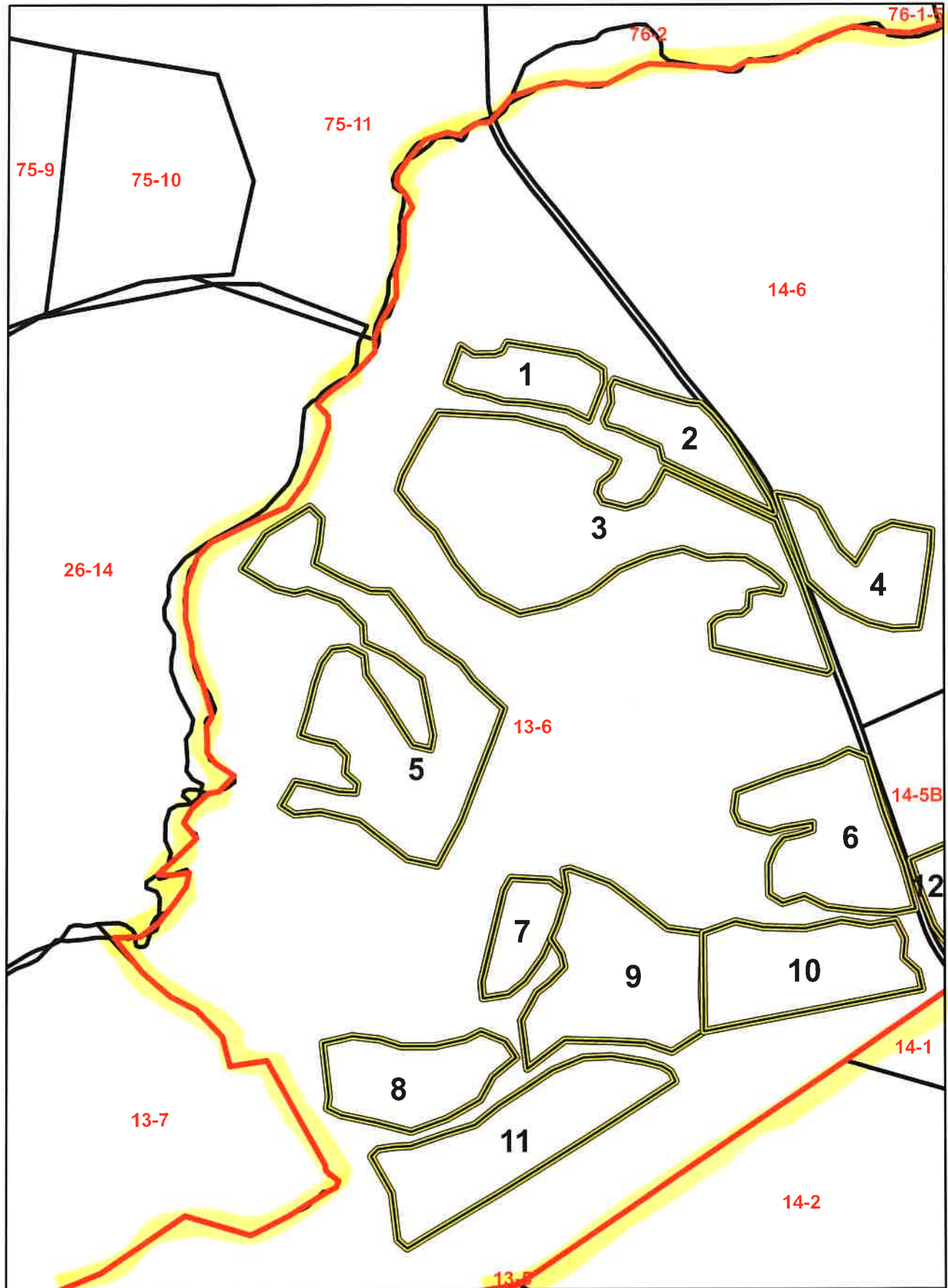




1-22-20

Tax Map

1 in = 2,500 feet

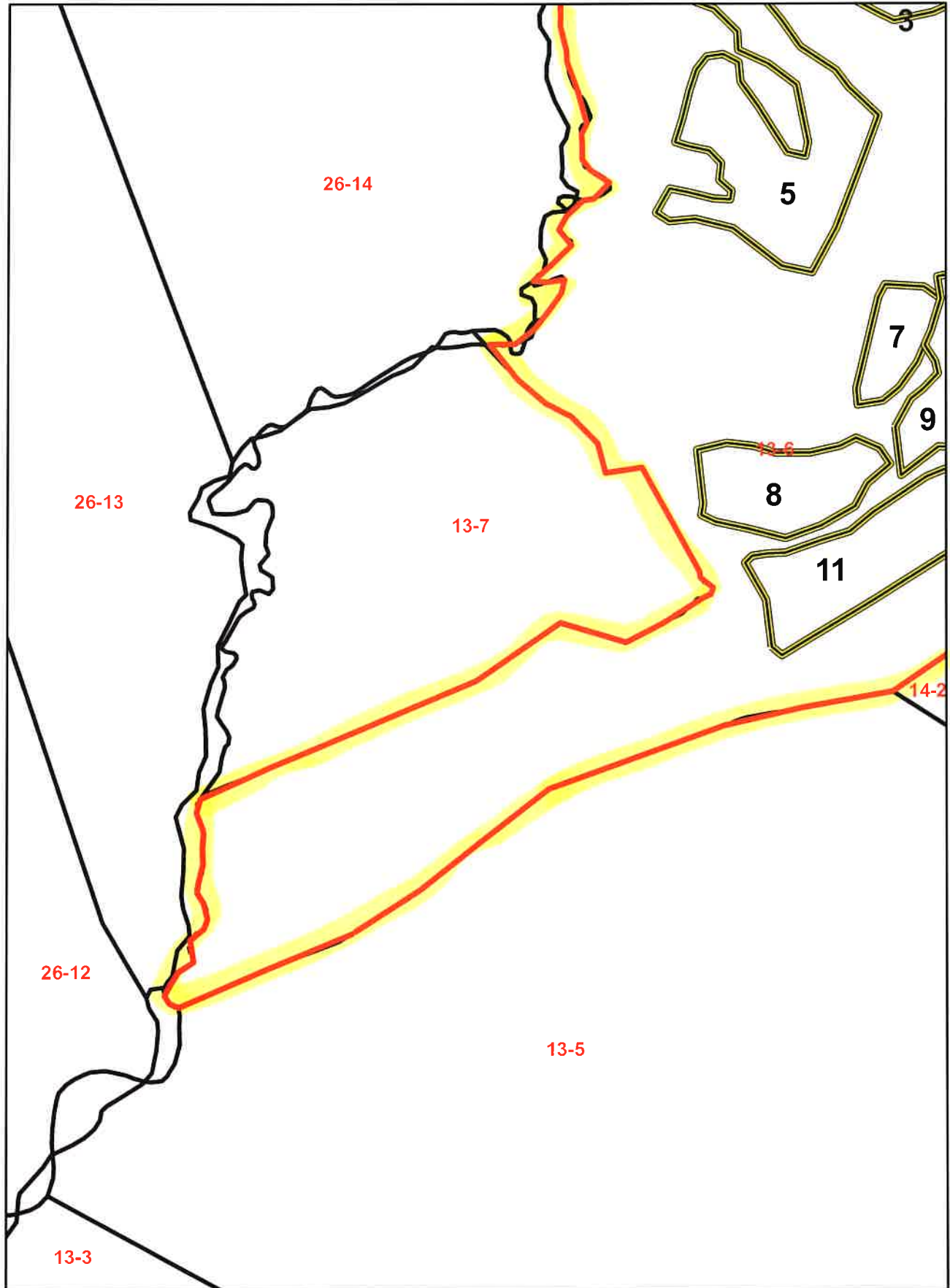


1-22-20

Tax Map

1 in = 660 feet

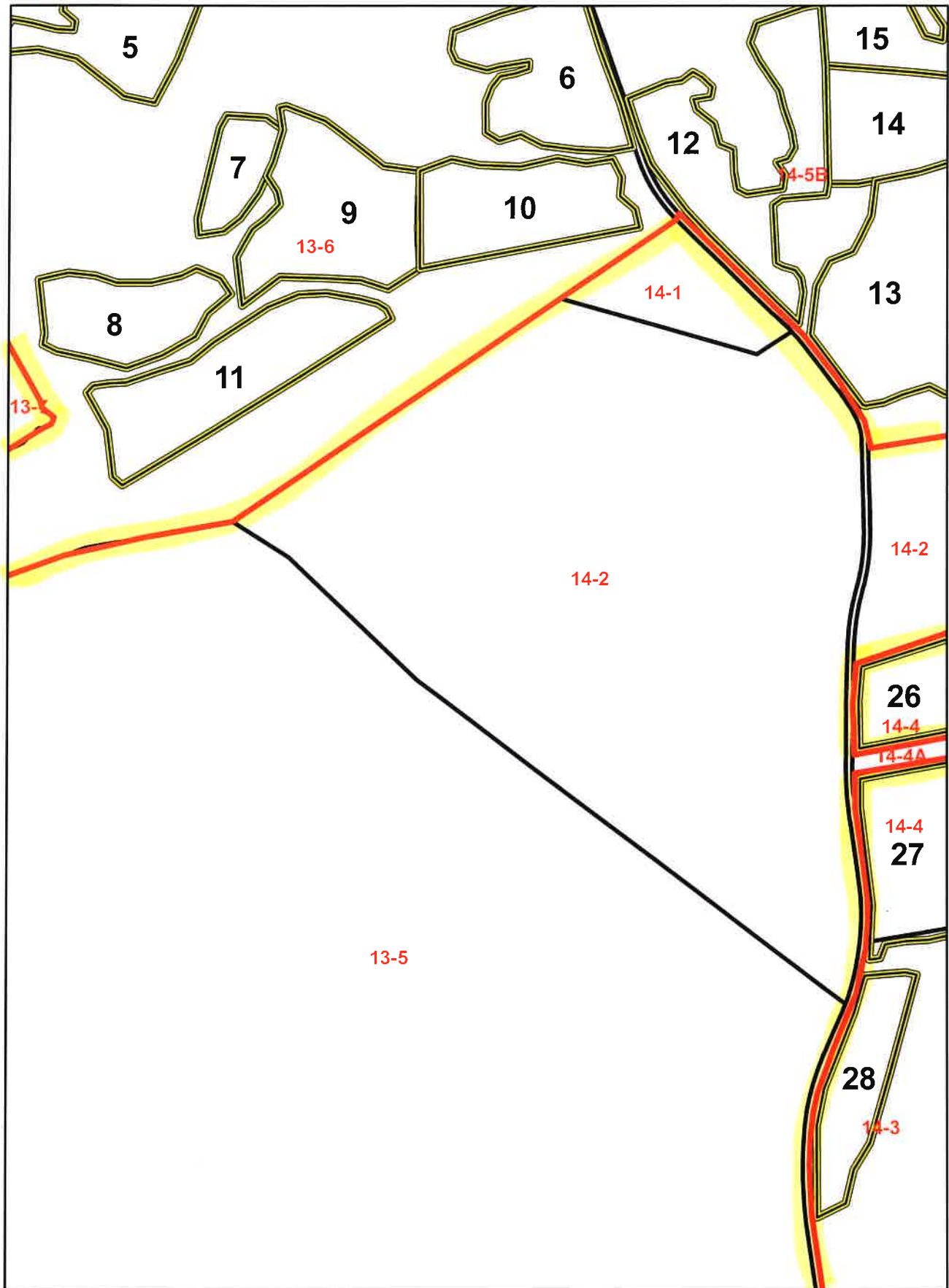




1-22-20

Tax Map

1 in = 660 feet

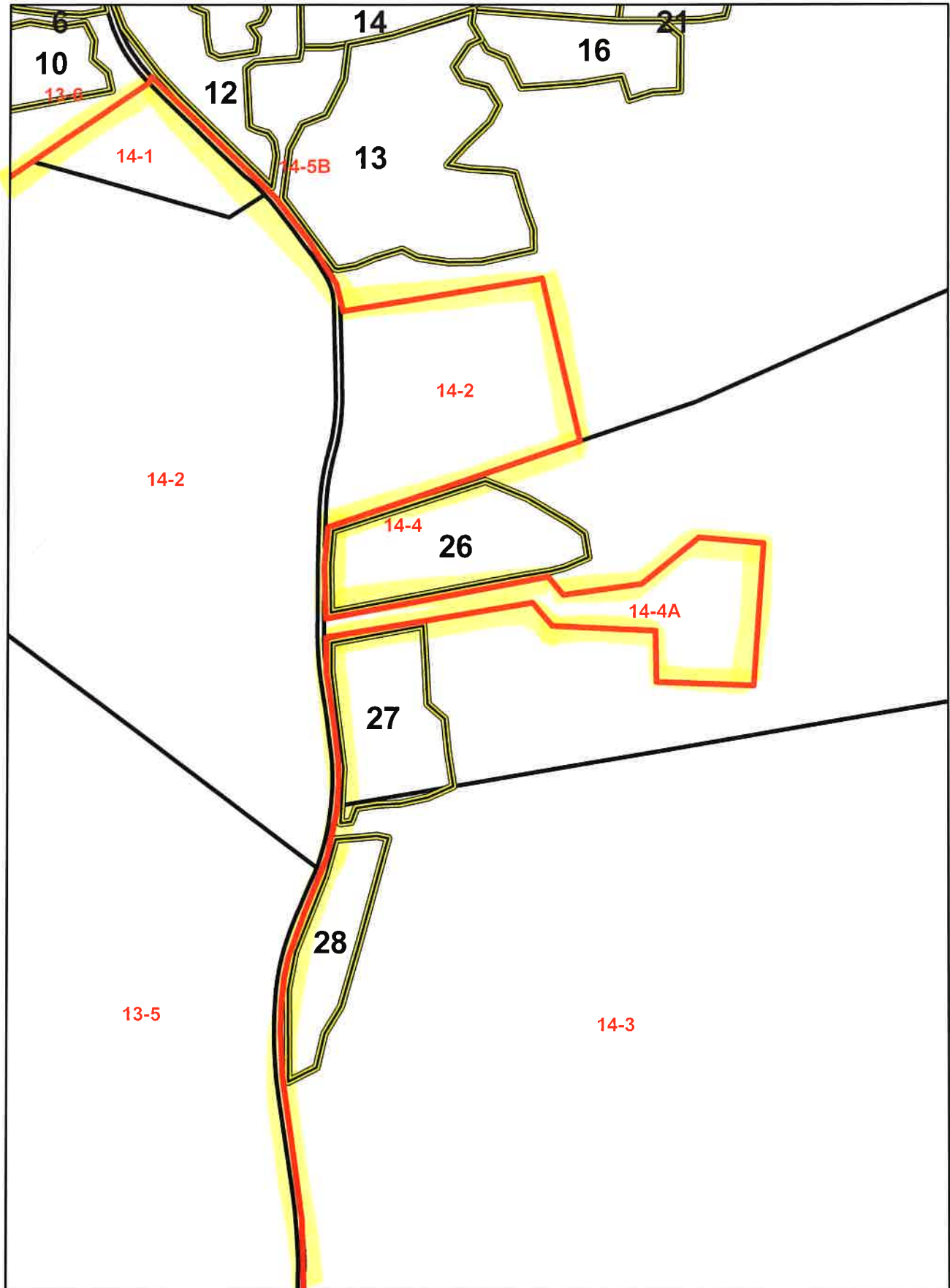


1-22-20

Tax Map

1 in = 660 feet



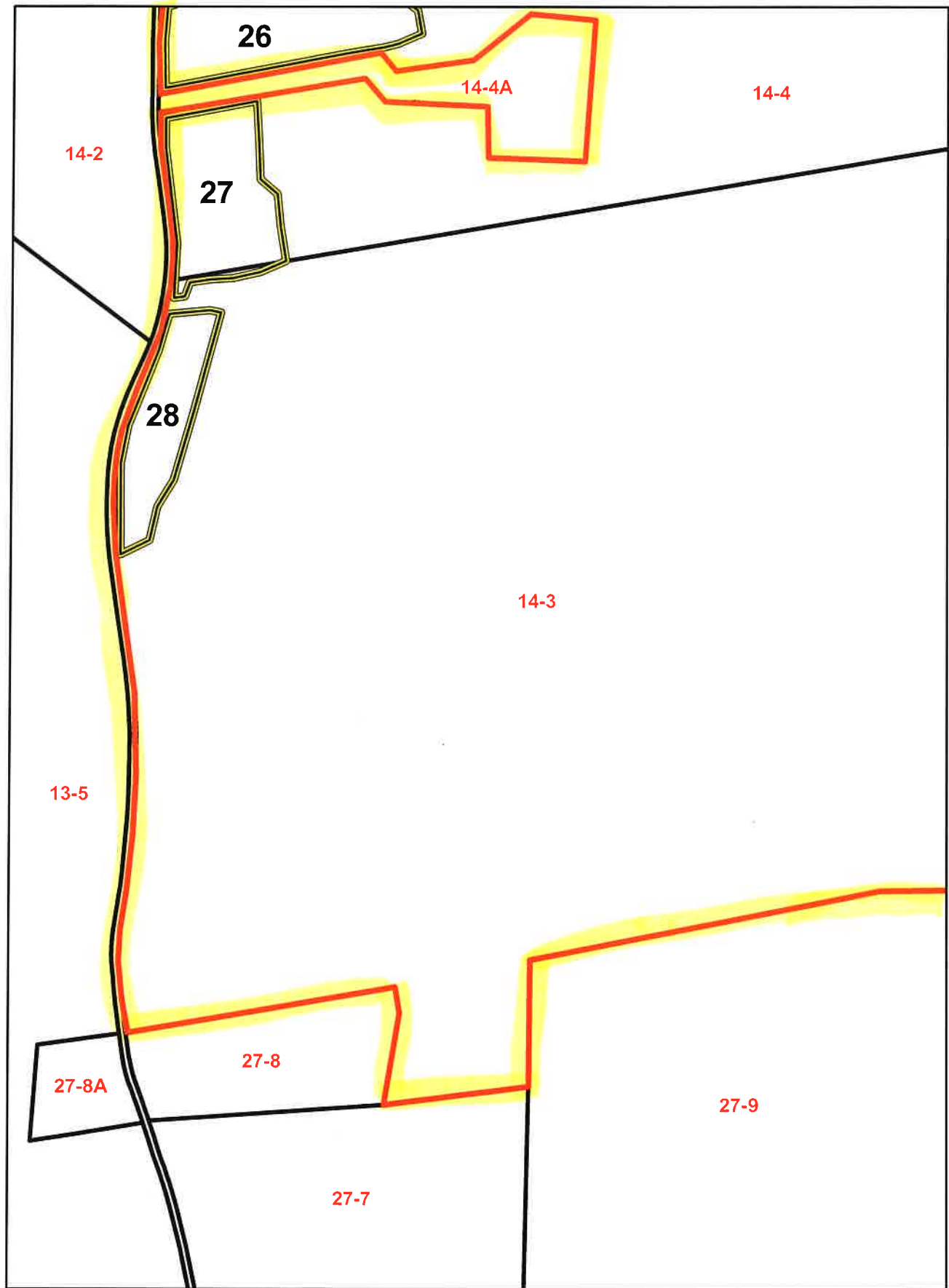


1-22-20

Tax Map

1 in = 660 feet

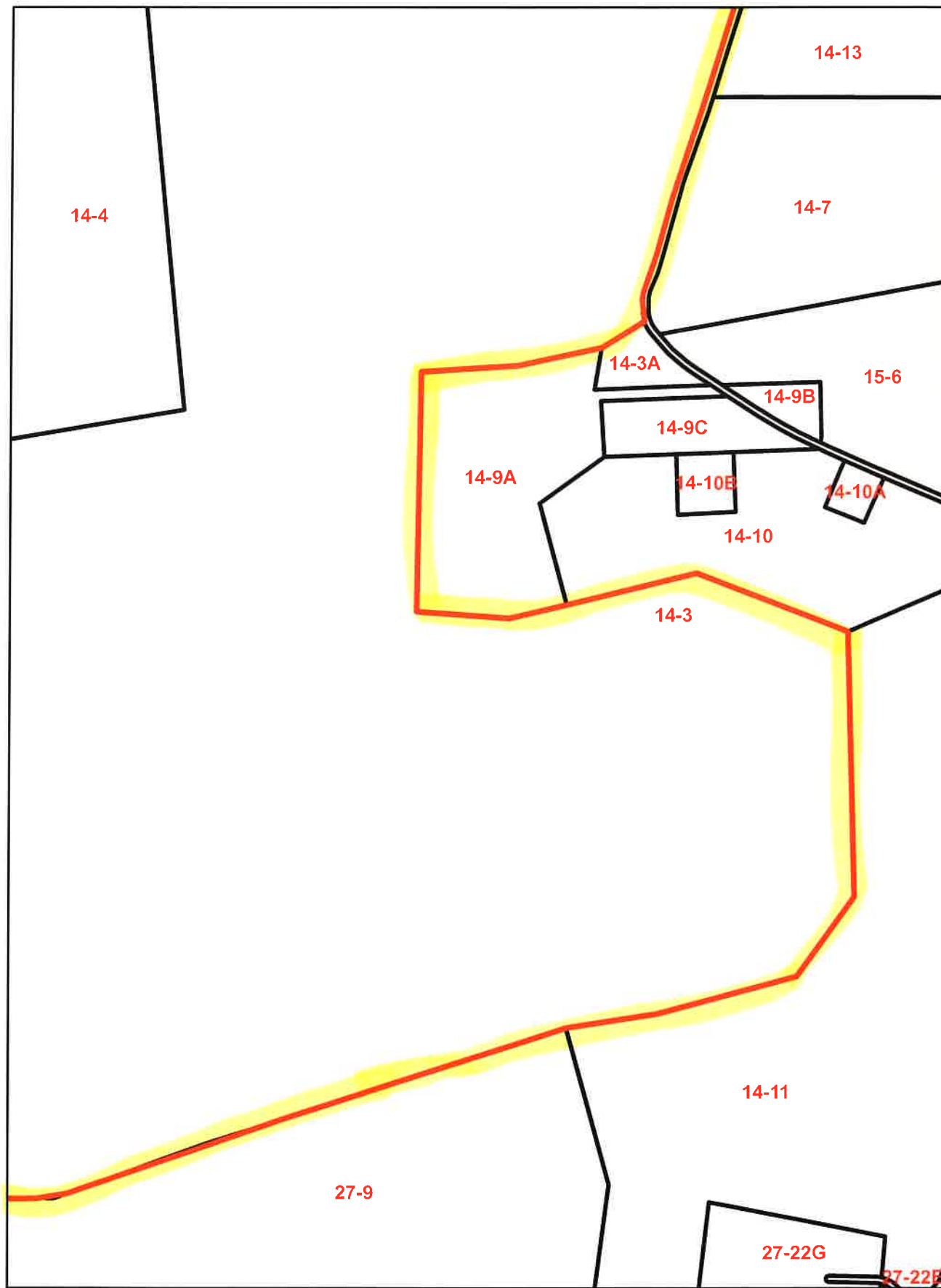




Tax Map

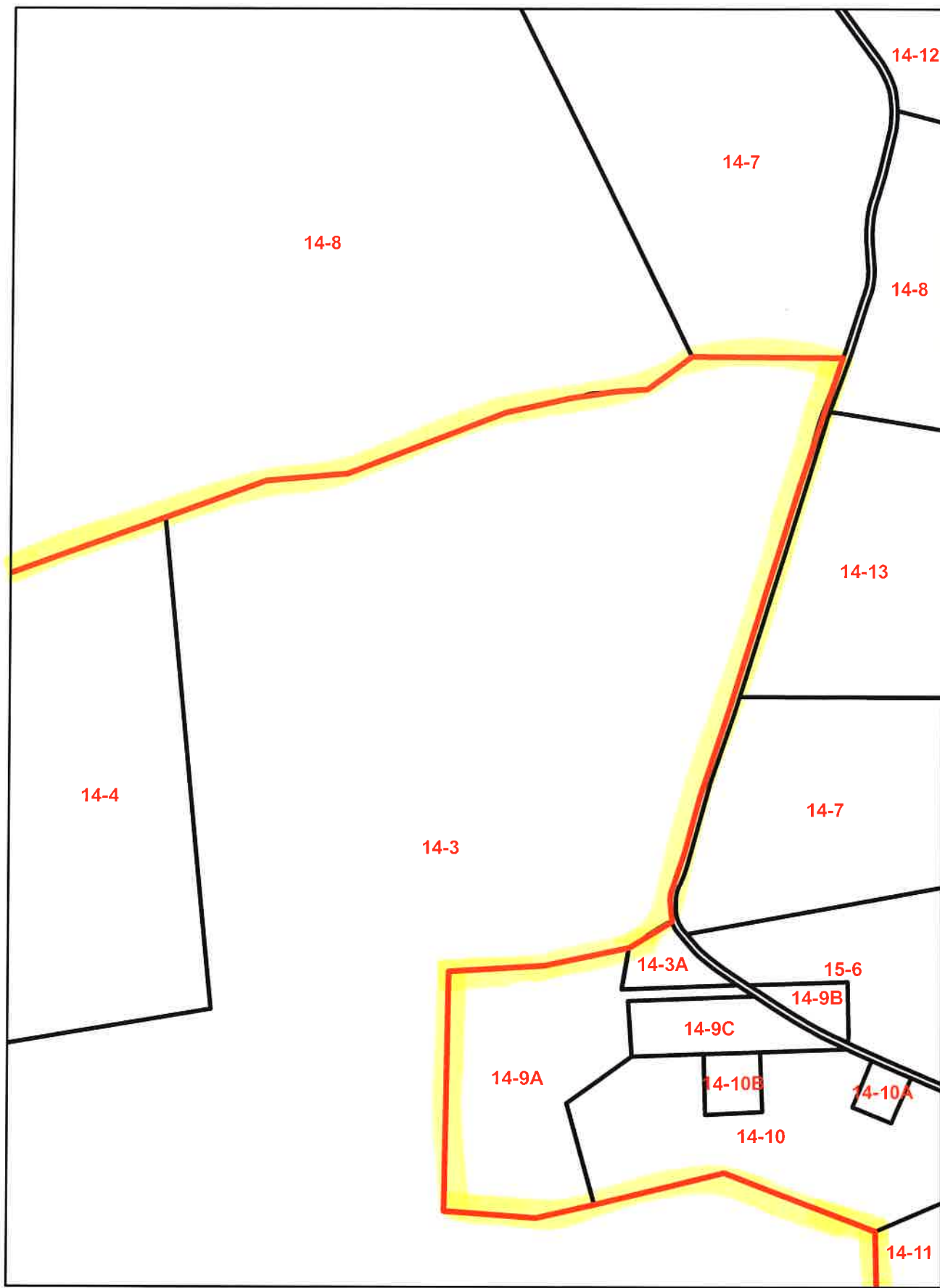
1 in = 660 feet





Tax Map

1 in = 660 feet

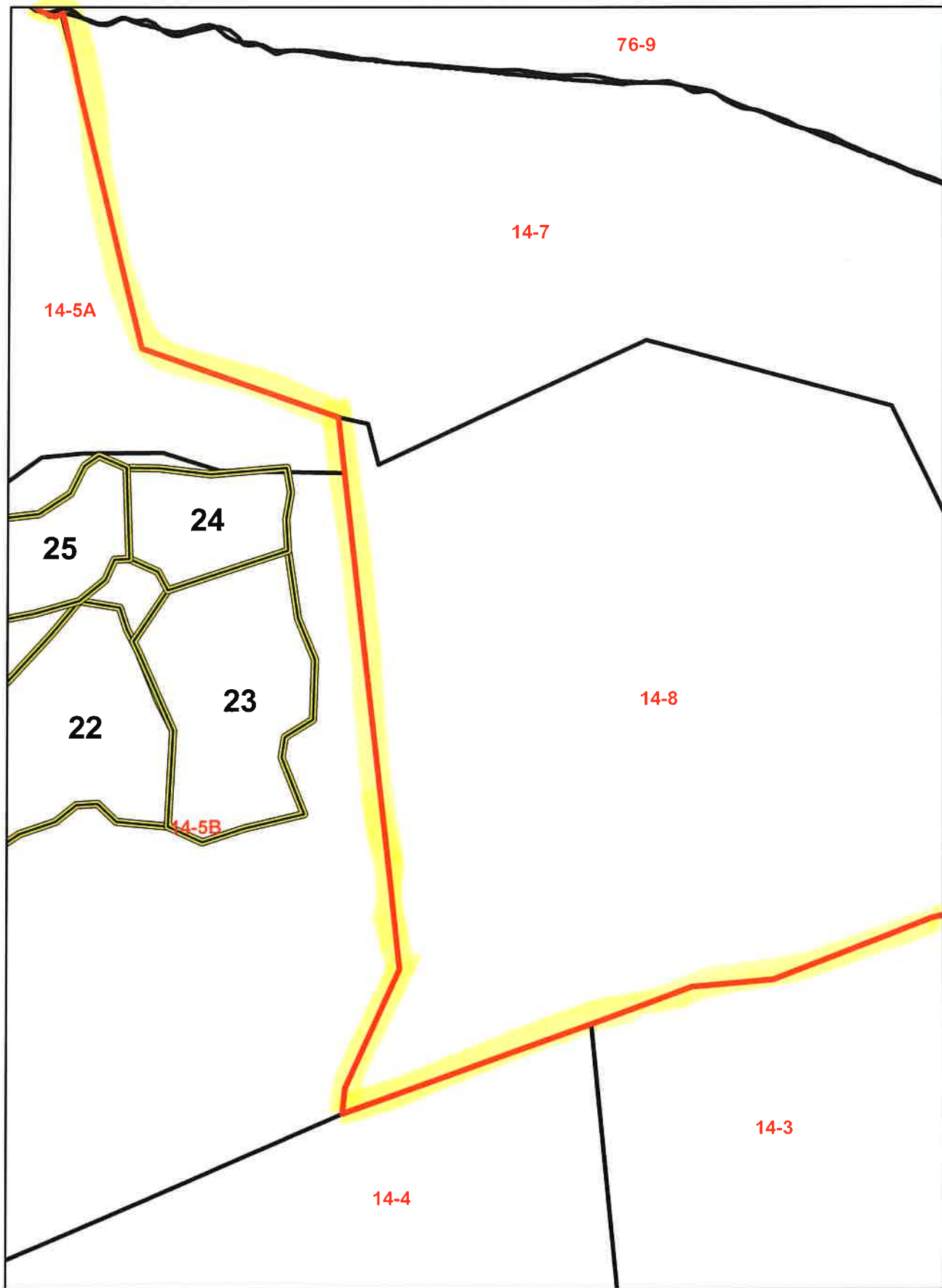


1-22-20

Tax Map

1 in = 660 feet



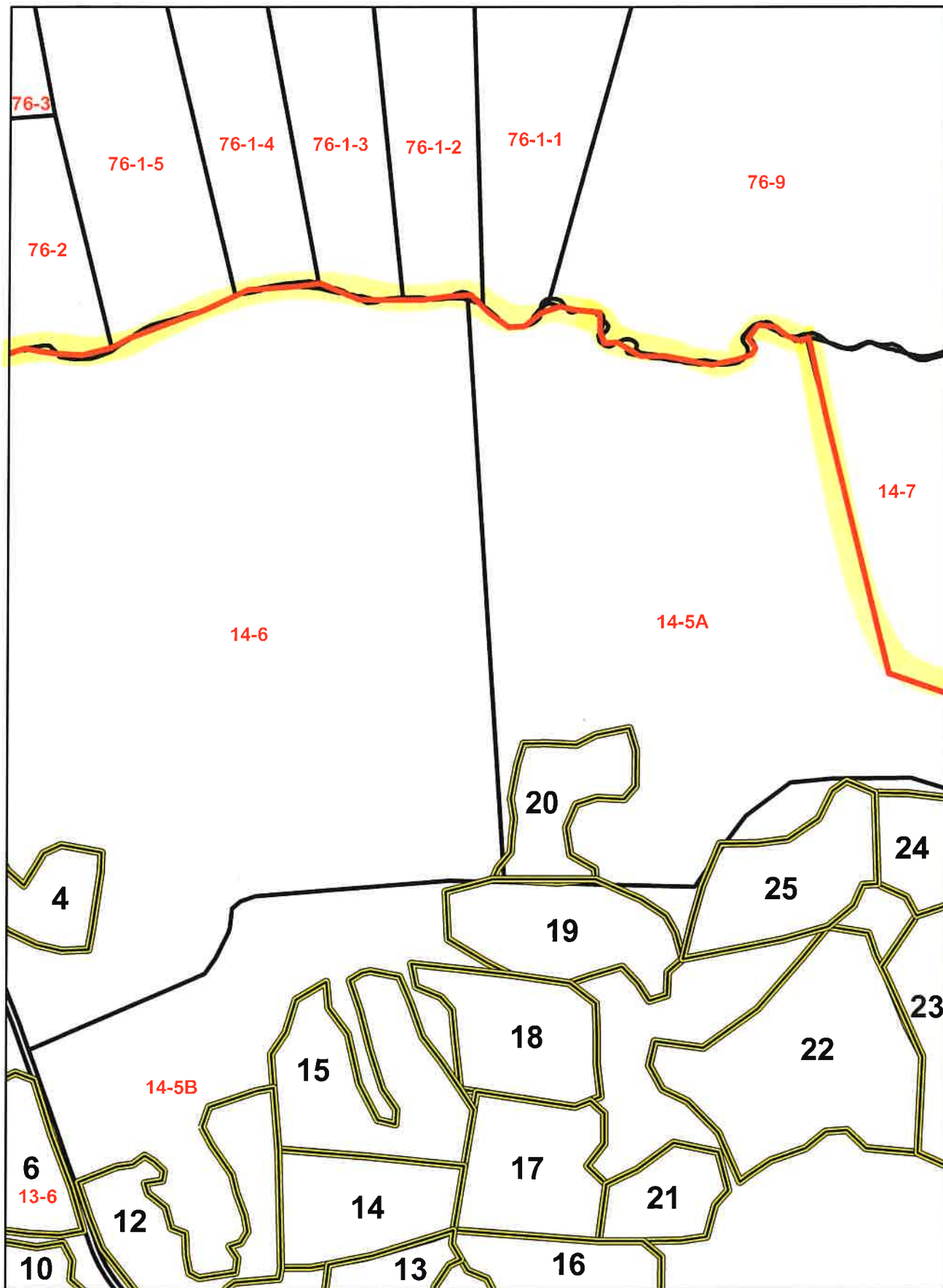


1-22-20

Tax Map

1 in = 660 feet



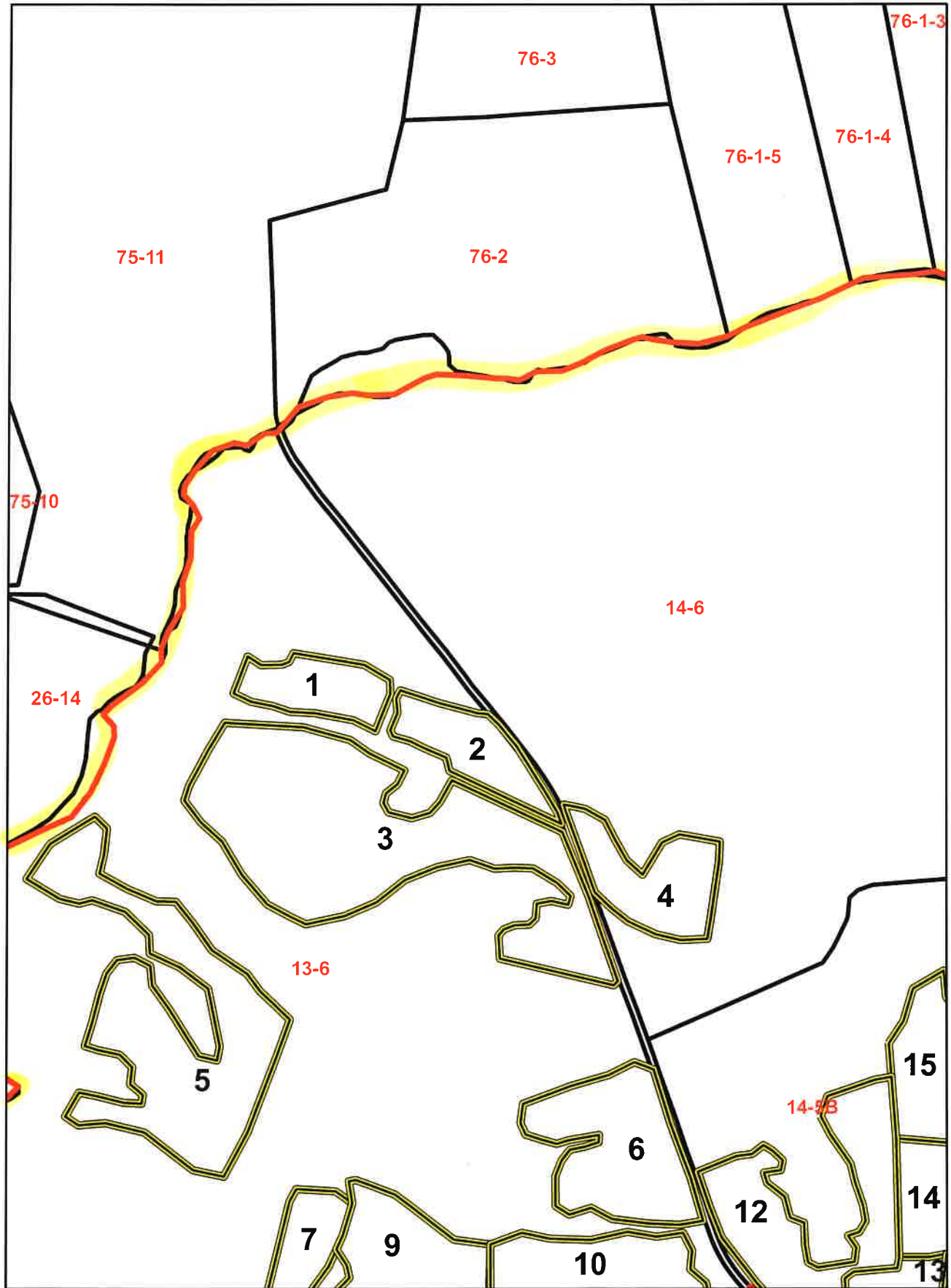


1-22-20

Tax Map

1 in = 660 feet

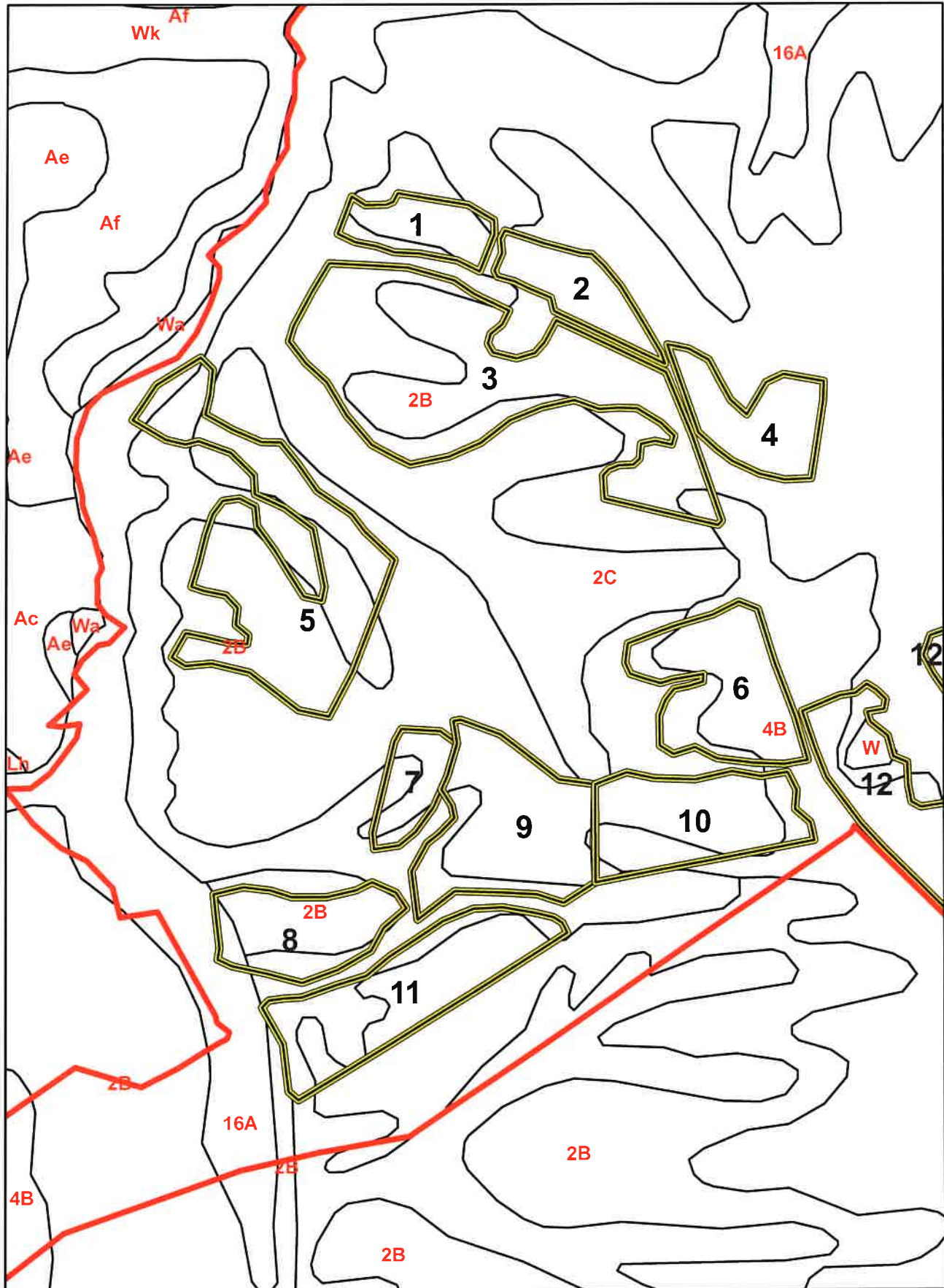




1-22-20

Tax Map

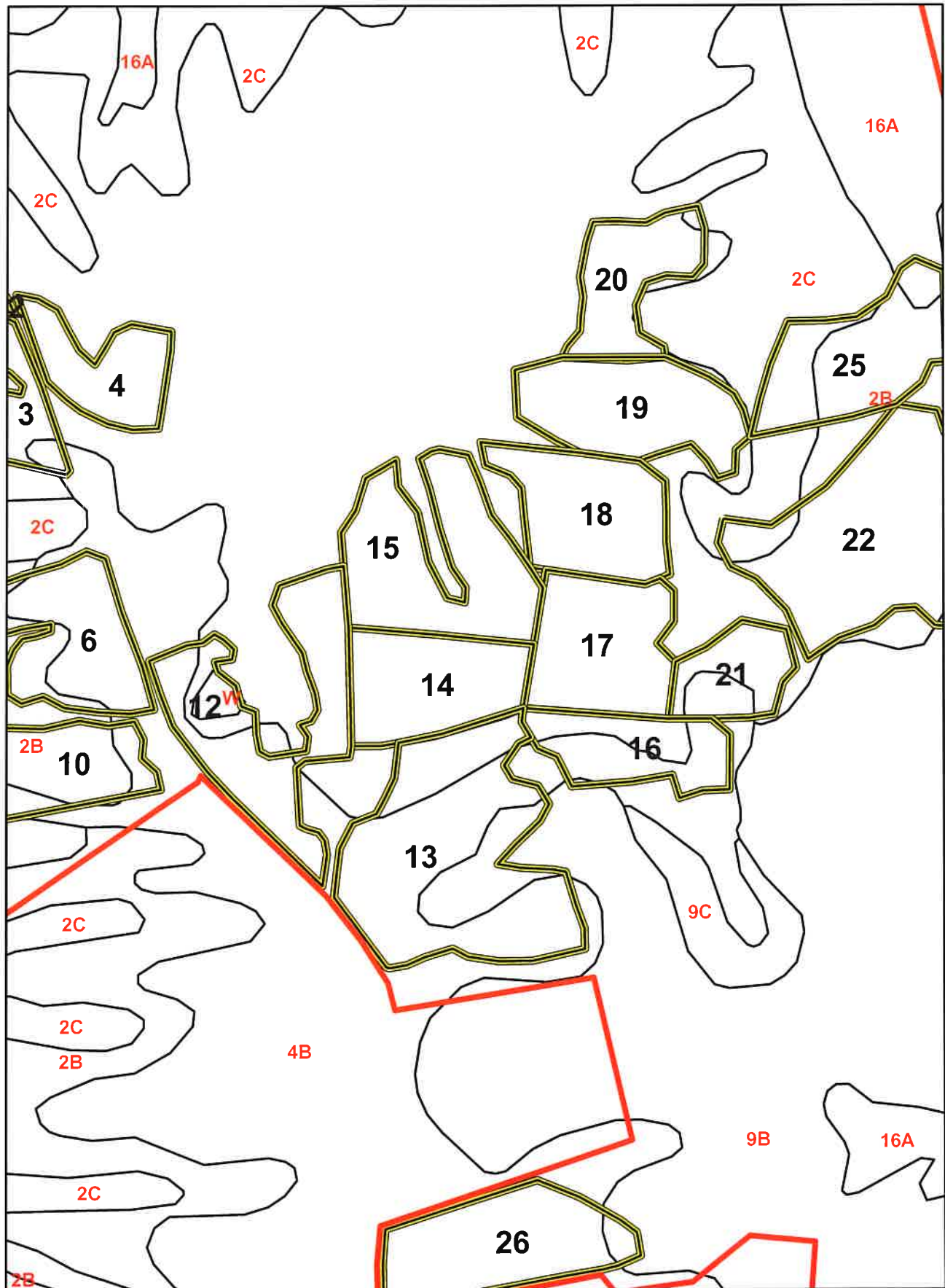
1 in = 660 feet



1-22-20
Frequently
Flooded

Soil Map

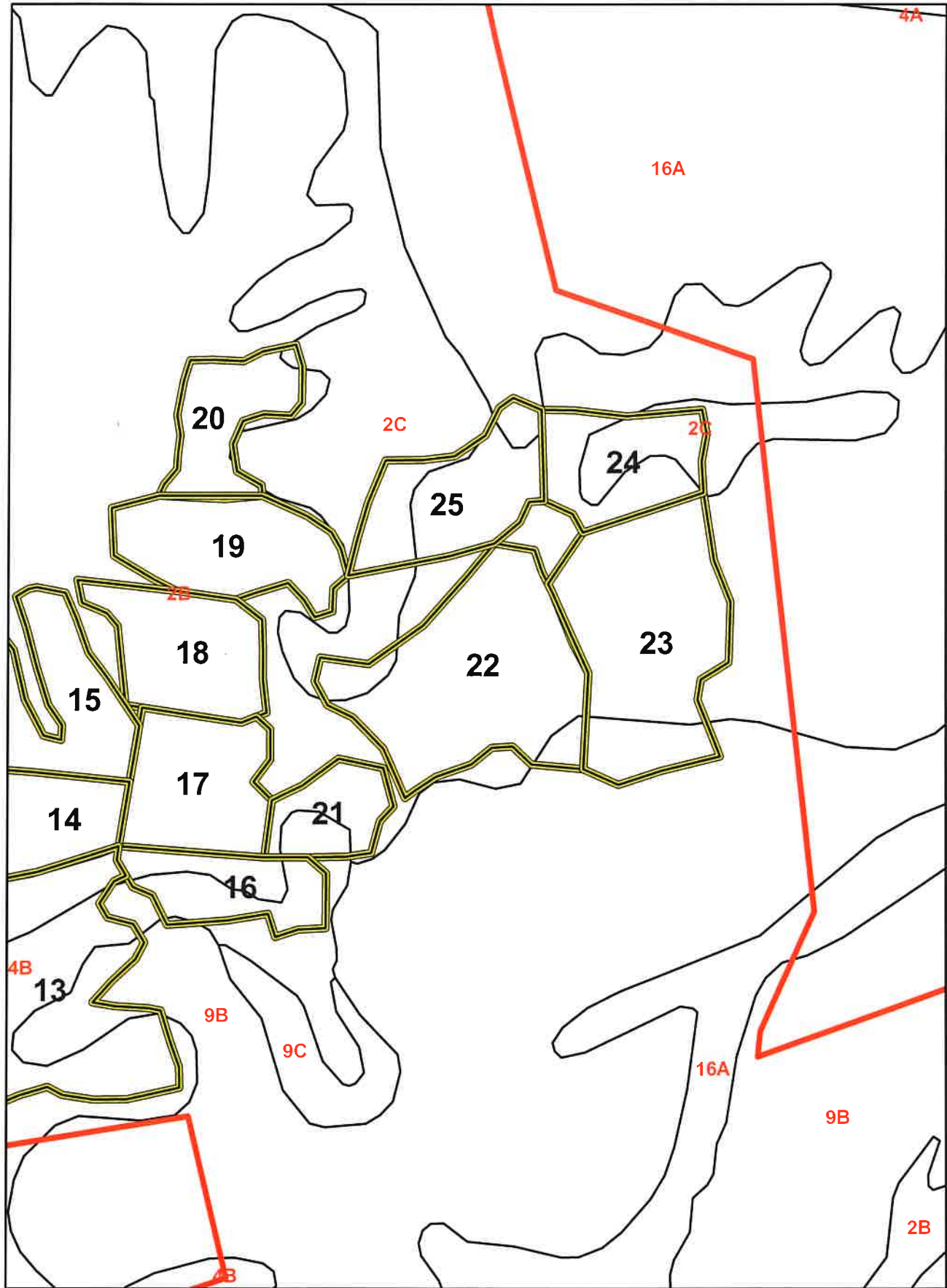
1 in = 660 feet



1-22-20
Frequently
Flooded

Soil Map

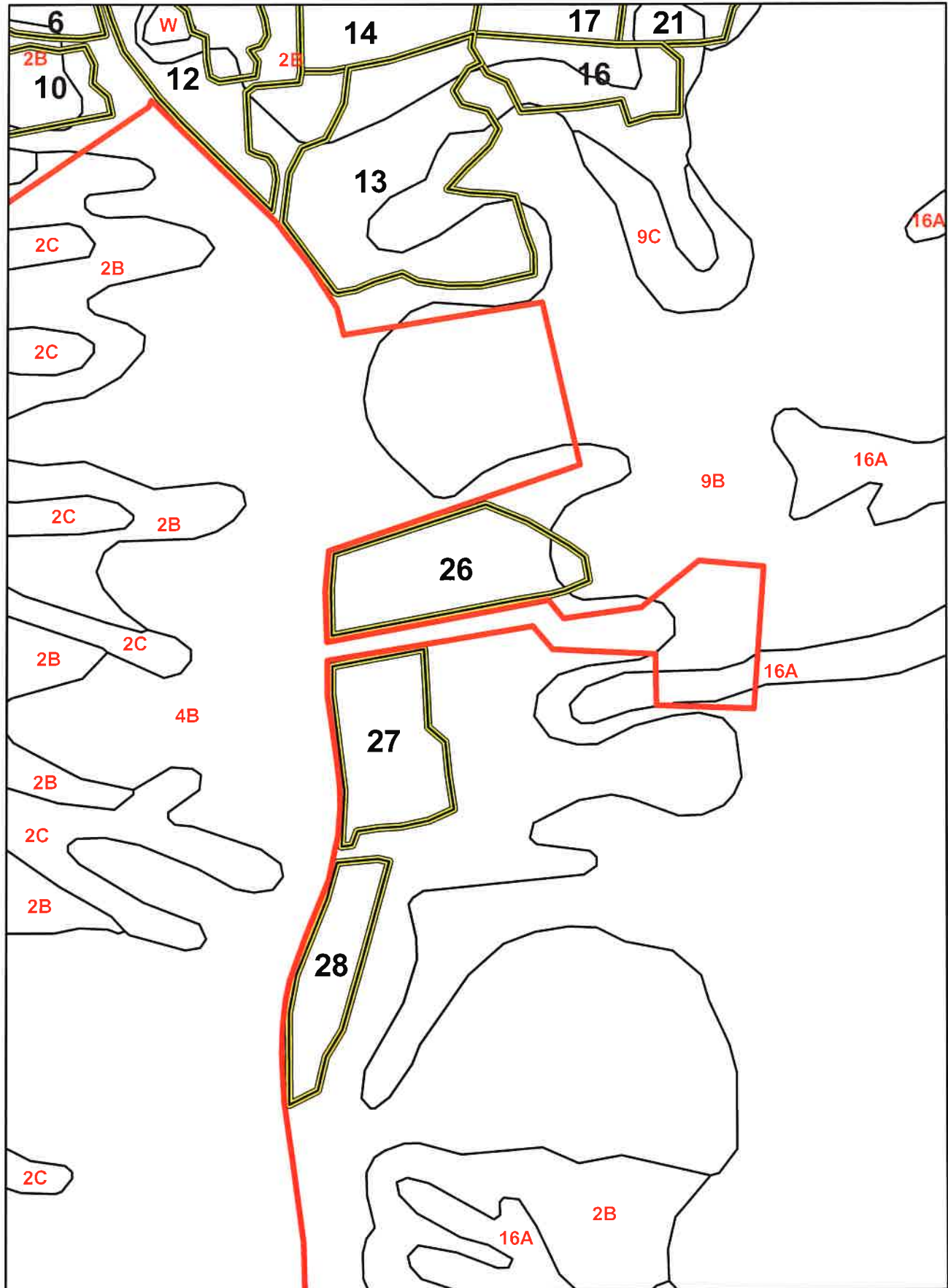
1 in = 660 feet



1-22-20
Frequently
Flooded

Soil Map

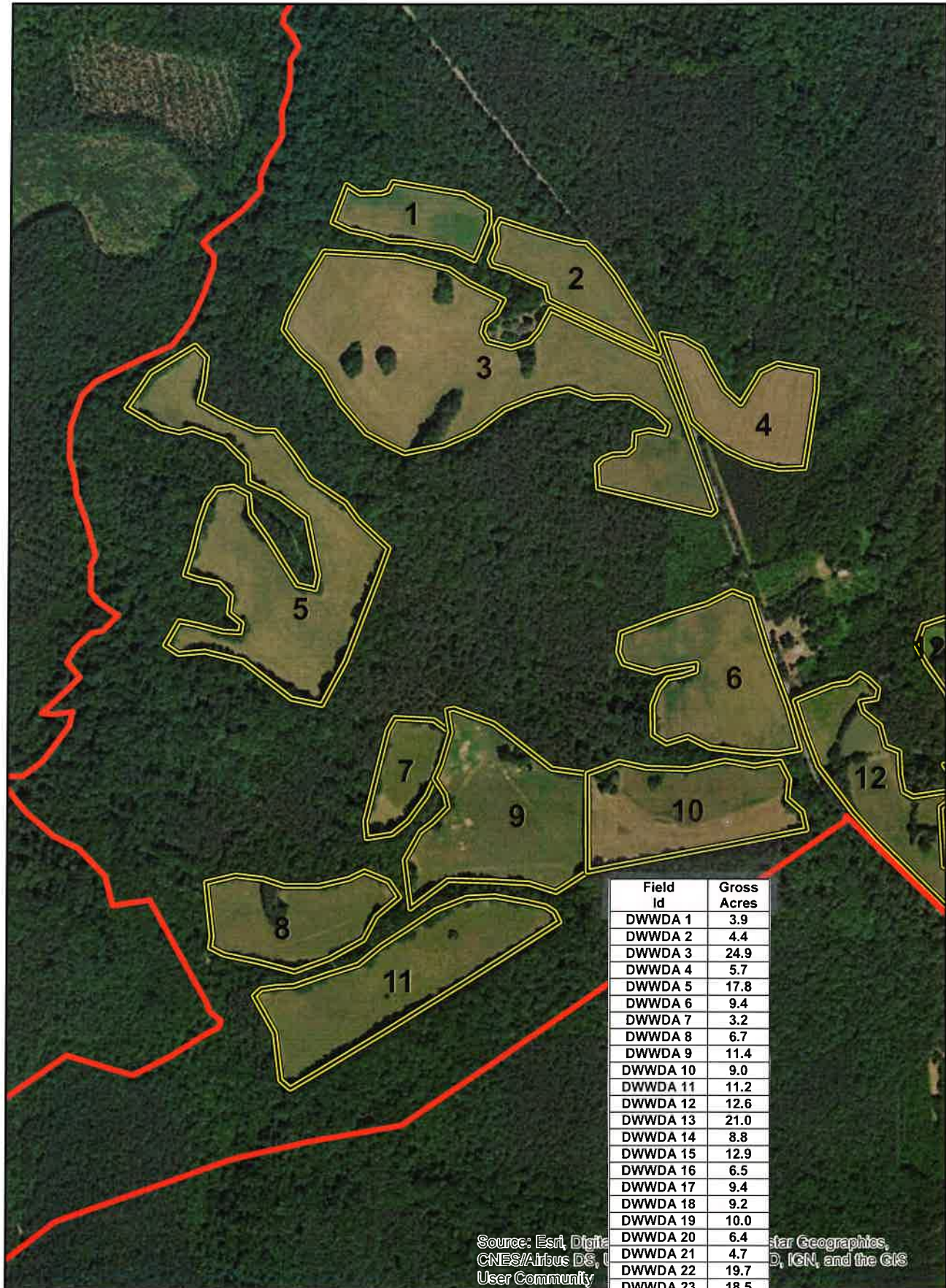
1 in = 660 feet



1-22-20
Frequently
Flooded

Soil Map

1 in = 660 feet



Field Id	Gross Acres
DWWDA 1	3.9
DWWDA 2	4.4
DWWDA 3	24.9
DWWDA 4	5.7
DWWDA 5	17.8
DWWDA 6	9.4
DWWDA 7	3.2
DWWDA 8	6.7
DWWDA 9	11.4
DWWDA 10	9.0
DWWDA 11	11.2
DWWDA 12	12.6
DWWDA 13	21.0
DWWDA 14	8.8
DWWDA 15	12.9
DWWDA 16	6.5
DWWDA 17	9.4
DWWDA 18	9.2
DWWDA 19	10.0
DWWDA 20	6.4
DWWDA 21	4.7
DWWDA 22	19.7
DWWDA 23	18.5
DWWDA 24	8.1
DWWDA 25	9.8
DWWDA 26	10.6
DWWDA 27	8.6
DWWDA 28	6.0
TOTAL	290.4

Source: Esri, Digital
GNES/Airbus DS, U
User Community

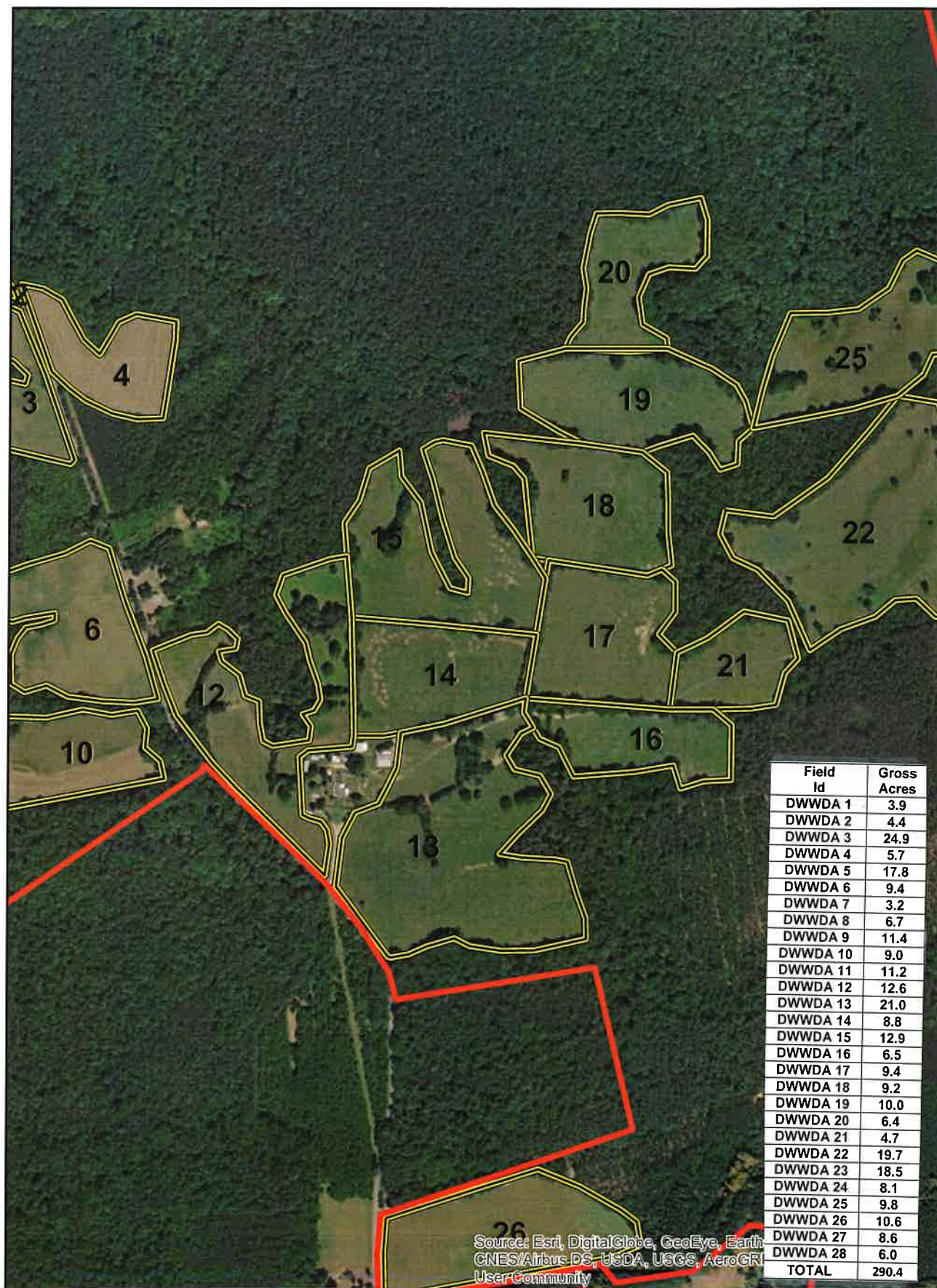
Star Geographics,
D, IGN, and the GIS

1-22-20

Aerial Map

1 in = 660 feet





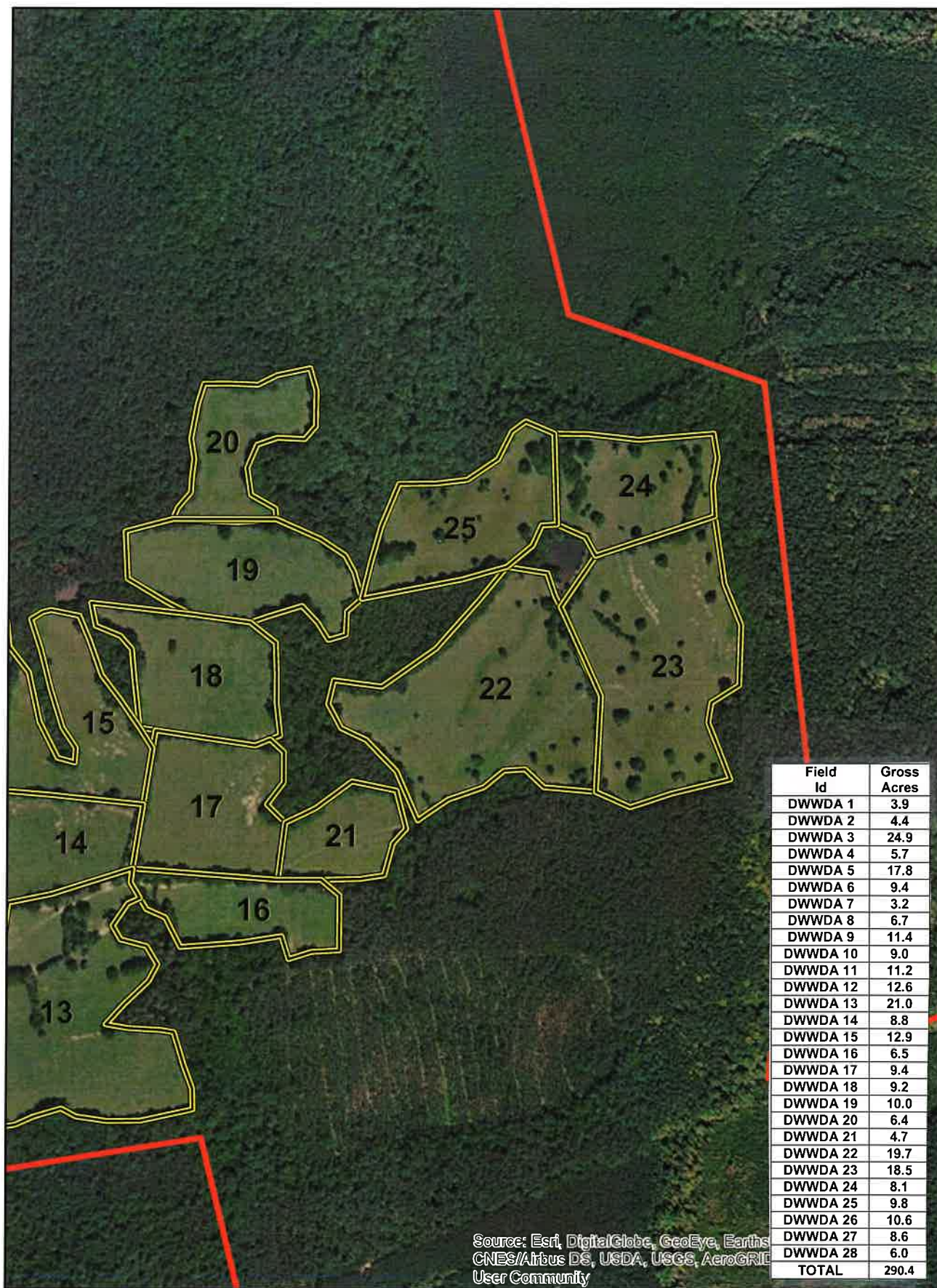
Field Id	Gross Acres
DWWDA 1	3.9
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DWWDA 6	9.4
DWWDA 7	3.2
DWWDA 8	6.7
DWWDA 9	11.4
DWWDA 10	9.0
DWWDA 11	11.2
DWWDA 12	12.6
DWWDA 13	21.0
DWWDA 14	8.8
DWWDA 15	12.9
DWWDA 16	6.5
DWWDA 17	9.4
DWWDA 18	9.2
DWWDA 19	10.0
DWWDA 20	6.4
DWWDA 21	4.7
DWWDA 22	19.7
DWWDA 23	18.5
DWWDA 24	8.1
DWWDA 25	9.8
DWWDA 26	10.6
DWWDA 27	8.6
DWWDA 28	6.0
TOTAL	290.4

1-22-20

Aerial Map

1 in = 660 feet

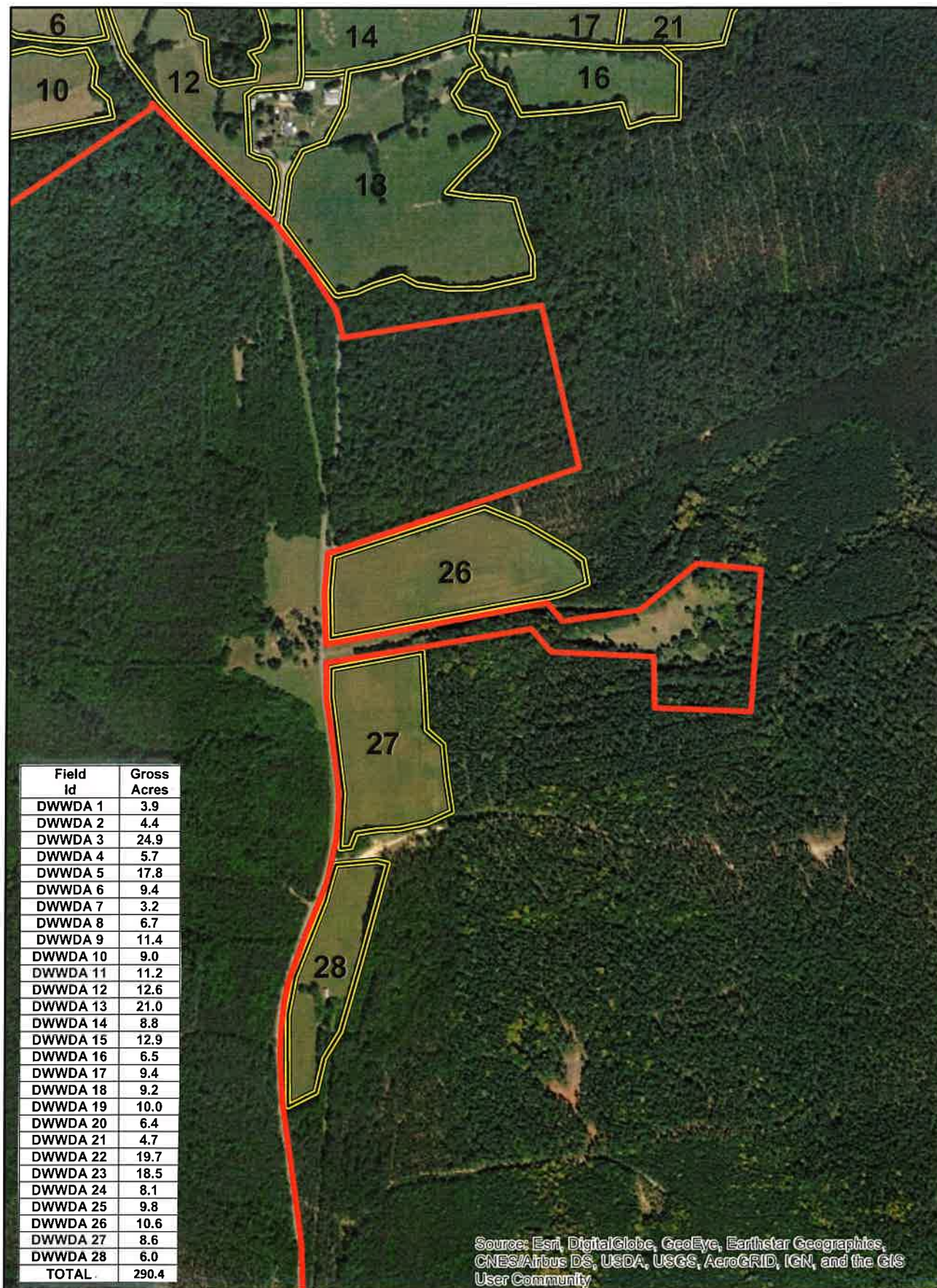




1-22-20

Aerial Map

1 in = 660 feet



1-22-20

Aerial Map

1 in = 660 feet





United States
Department of
Agriculture

Dinwiddie County, Virginia

Tract 5433

Farm 4544

2020 Program Year

Map Created December 05, 2019

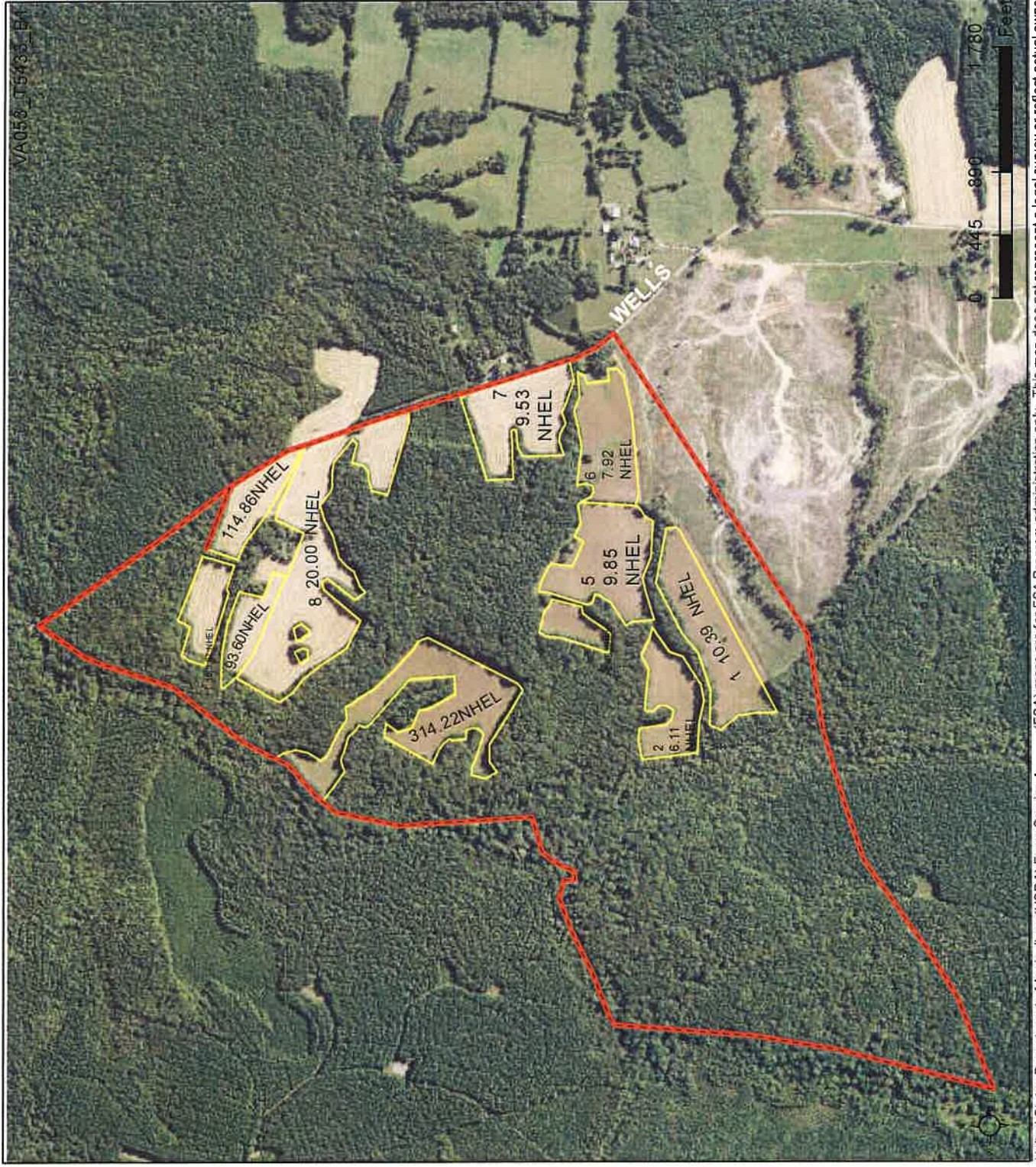
Common Land Unit

- Non-Cropland
- Cropland
- rel_va053
- Tract Boundary

Wetland Determination Identifiers

- Restricted Use
- Limited
- Exempt from Conservation
- Compliance Provisions

Tract Cropland Total: 92.90 acres



United States Department of Agriculture (USDA) Farm Service Agency (FSA) maps are for FSA Program administration only. This map does not represent a legal survey or reflect actual ownership; rather it depicts the information provided directly from the producer and/or National Agricultural Imagery Program (NAIP) imagery. The producer accepts the data 'as is' and assumes all risks associated with its use. USDA-FSA assumes no responsibility for actual or consequential damage incurred as a result of any user's reliance on this data outside FSA Programs. Wetland identifiers do not represent the size, shape, or specific determination of the area. Refer to your original determination (CPA-026 and attached maps) for exact boundaries and determinations or contact USDA Natural Resources Conservation Service (NRCS).

Map Created June 20, 2019

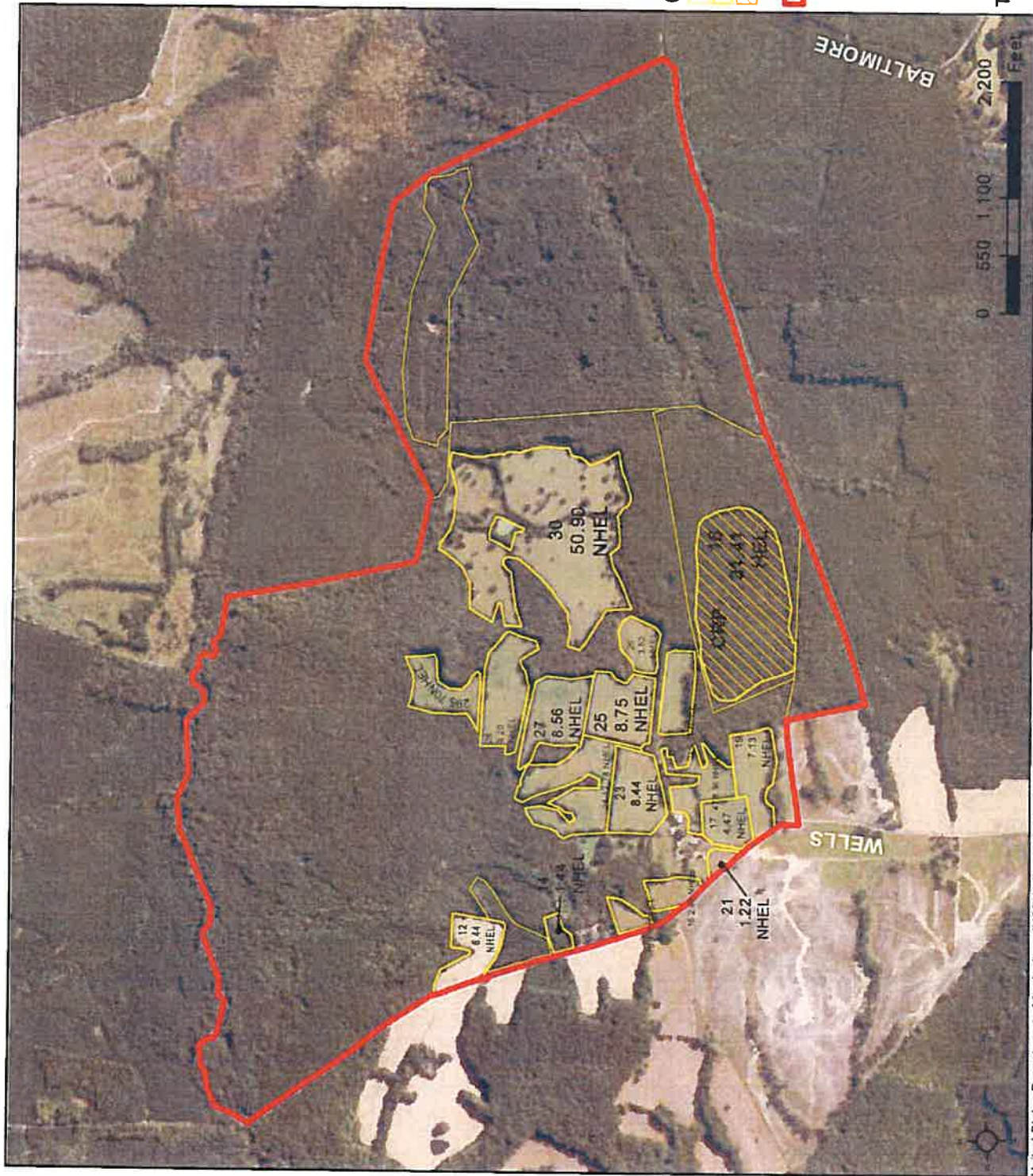
Common Land Unit

- Non-Cropland
Cropland
CRP
rcl_lva53
Tract Boundary

Wetland Determination Identifiers

- Restricted Use
▼ Limited
■ Exempt from Conservation
 Compliance Provisions

Tract Cropland Total: 176.20 acres



United States Department of Agriculture (USDA) Farm Service Agency (FSA) maps are for FSA Program administration only. This map does not represent a legal survey or reflect actual ownership, rather it depicts the information provided directly from the producer and/or National Agricultural Imagery Program (NAIP) imagery. The producer accepts the data 'as is' and assumes all risks associated with its use. USDA-FSA assumes no responsibility for actual or consequential damage incurred as a result of any user's reliance on this data outside FSA Programs. Wetland identifiers do not represent the **size, shape, or specific determination** (CPA-026 and attached maps) for exact boundaries and determinations or contact USDA Natural Resources Conservation Service (NRCS).

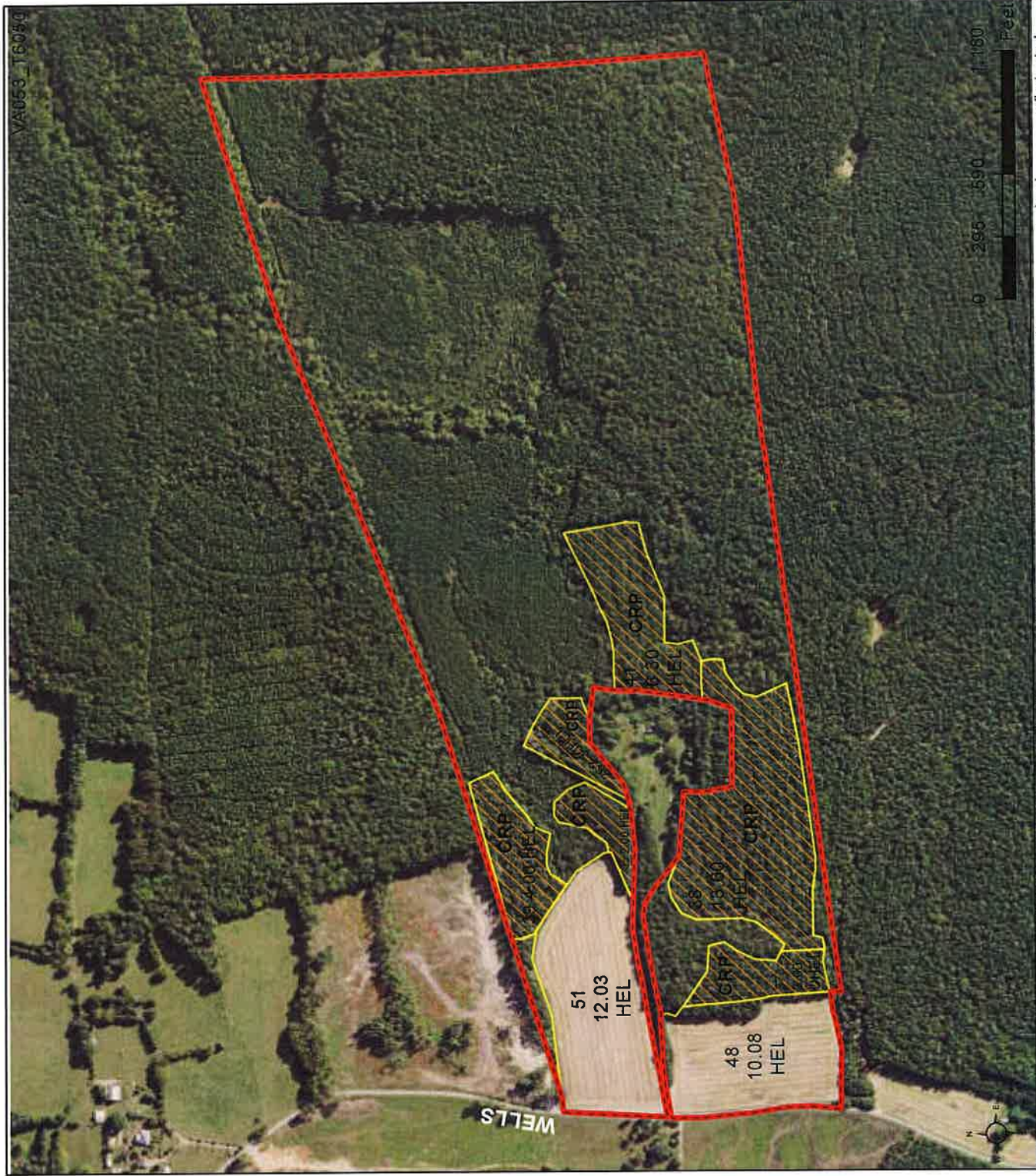


United States
Department of
Agriculture

Dinwiddie County, Virginia

Tract 6050

Farm 4545



2020 Program Year

Map Created December 05, 2019

Common Land Unit

- Non-Cropland
- Cropland
- CRP

rc1_va053

Tract Boundary

Wetland Determination Identifiers

- Restricted Use
- Limited
- Exempt from Conservation
- Compliance Provisions

Tract Cropland Total: 53.31 acres

United States Department of Agriculture (USDA) Farm Service Agency (FSA) maps are for FSA Program administration only. This map does not represent a legal survey or reflect actual ownership. The map depicts the information provided directly from the producer and/or National Agricultural Imagery Program (NAIP) imagery. The producer accepts the data 'as is' and assumes all risks associated with its use. USDA-FSA assumes no responsibility for actual or consequential damage incurred as a result of any user's reliance on this data outside FSA Programs. Wetland identifiers do not represent the size, shape, or specific determination of the area. Refer to your original determination (CPA-026 and attached maps) for exact boundaries and determinations or contact USDA Natural Resources Conservation Service (NRCS).



United States
Department of
Agriculture

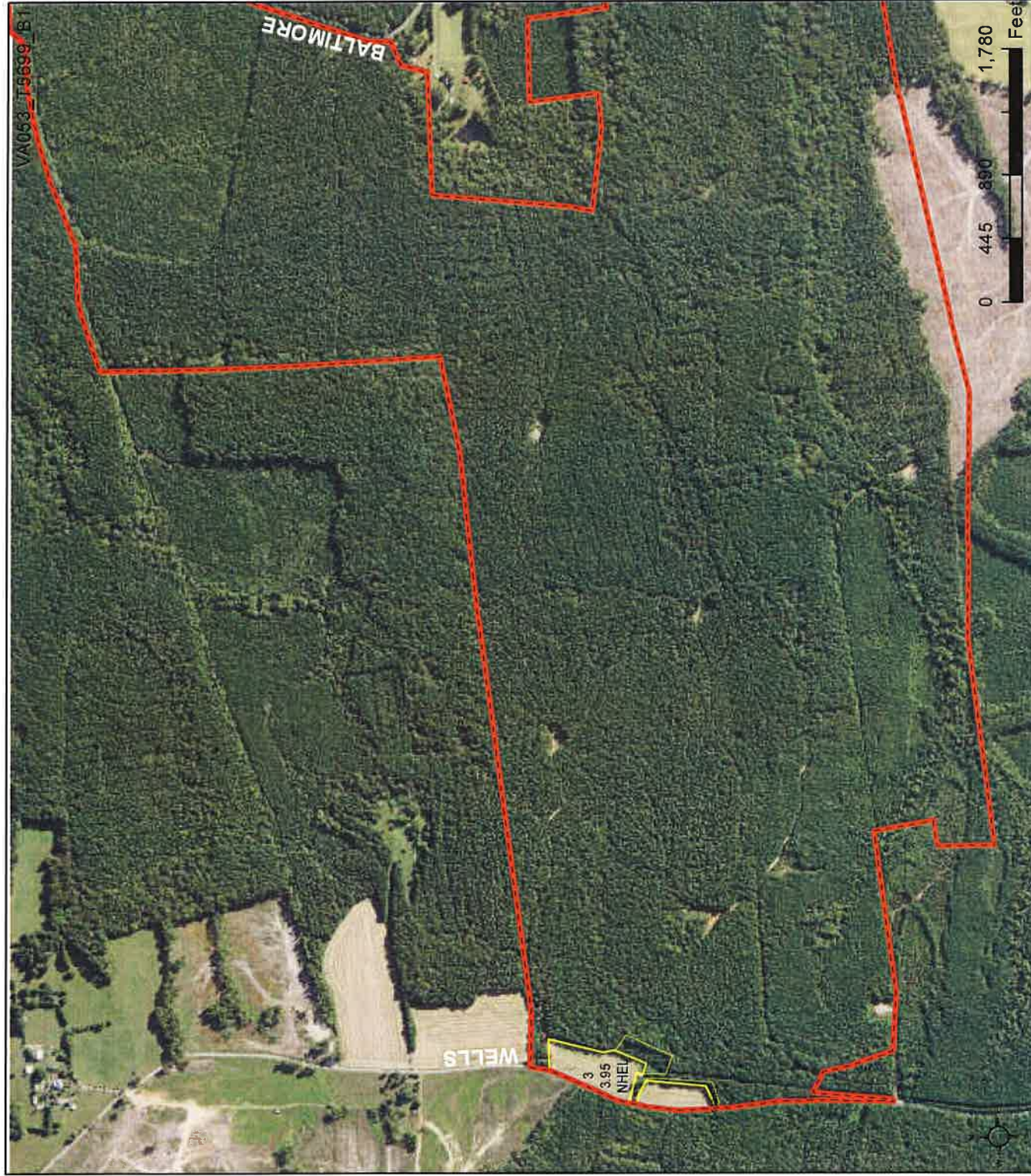
Dinwiddie County, Virginia

Tract 5699

Farm 4544

2020 Program Year

Map Created December 05, 2019



Common Land Unit

- Non-Cropland
- Cropland
- rcL_va053
- Tract Boundary
















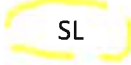


Wetland Determination Identifiers

- Restricted Use
- Limited
- Exempt from Conservation Compliance Provisions

Tract Cropland Total: 5.99 acres

United States Department of Agriculture (USDA) Farm Service Agency (FSA) maps are for FSA Program administration only. This map does not represent a legal survey or reflect actual ownership; rather it depicts the information provided directly from the producer and/or National Agricultural Imagery Program (NAIP) imagery. The producer accepts the data 'as is' and assumes all risks associated with its use. USDA-FSA assumes no responsibility for actual or consequential damage incurred as a result of any user's reliance on this data outside FSA Programs. Wetland identifiers do not represent the size, shape, or specific determination of the area. Refer to your original determination (CPA-026 and attached maps) for exact boundaries and determinations or contact USDA Natural Resources Conservation Service (NRCS).

Legend For Site Plan

Symbol	Feature	Minimum Setback
	House and Well	200 feet from occupied dwelling * 100 feet from water supply wells or springs
 	Well or Spring	100 feet from water supply wells or springs
	Streams or Surface Water	35 feet with 35 foot vegetated buffer 100 feet without vegetated buffer
	Wet Spot	
	Trees and Woods	
	Private Drive	
	Rock Area/Rock Outcrop	25 feet from rock outcrops 50 feet from limestone rock outcrops
	Severely Eroded Spot	18 Inch minimum depth of soil
  	Sink Hole	100 feet from open sinkholes 50 feet from closed sinkholes
	State Road	10 feet from side of roadway
	Fence / Field Boundary	
	Property Line	100 feet from property line *
 	Slope	15% maximum
	Hashed out Area	No application

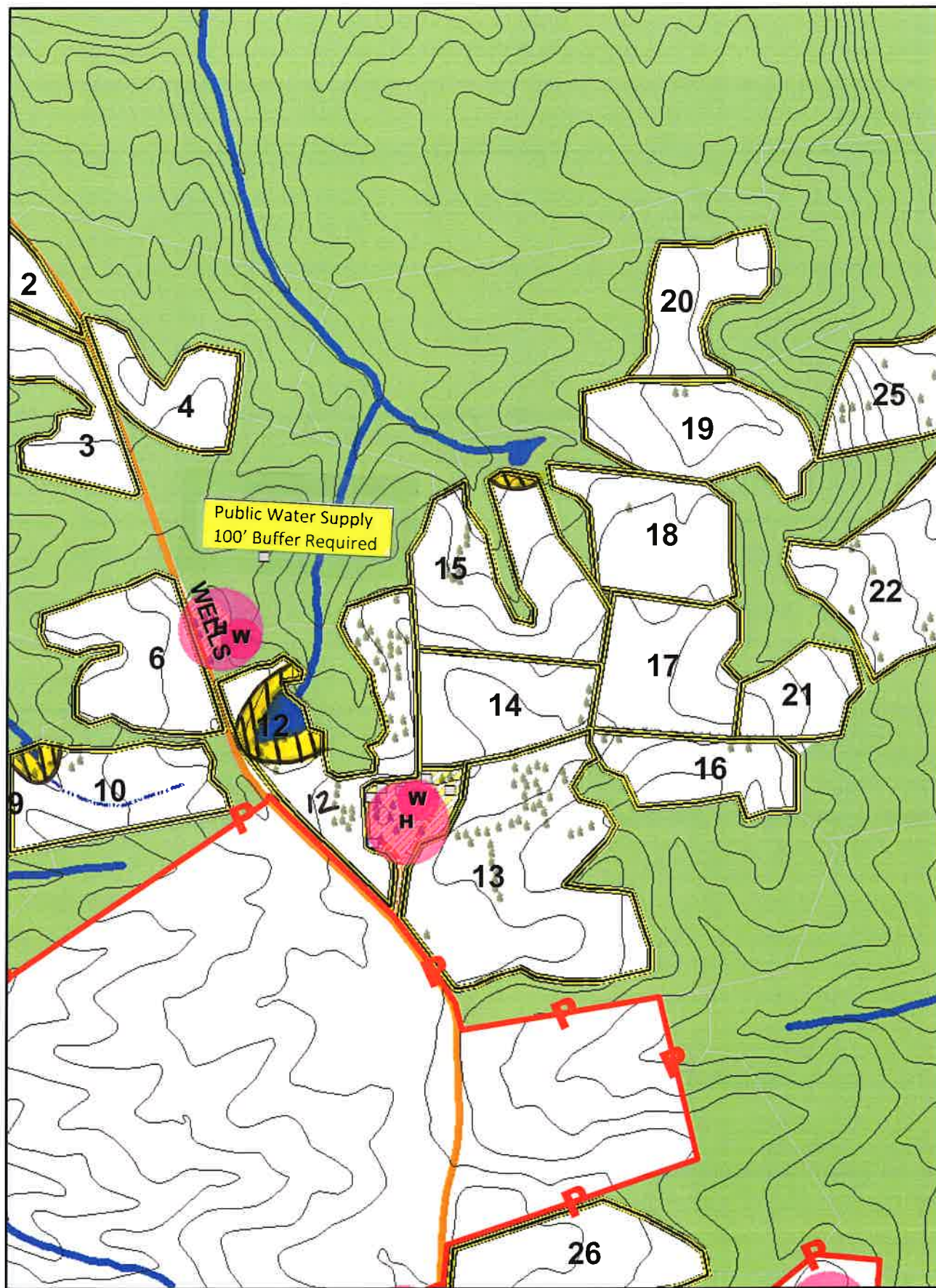
*Buffer can be reduced or waived upon written consent from landowner.



1-22-20
4-30-21

Site Map

1 in = 660 feet

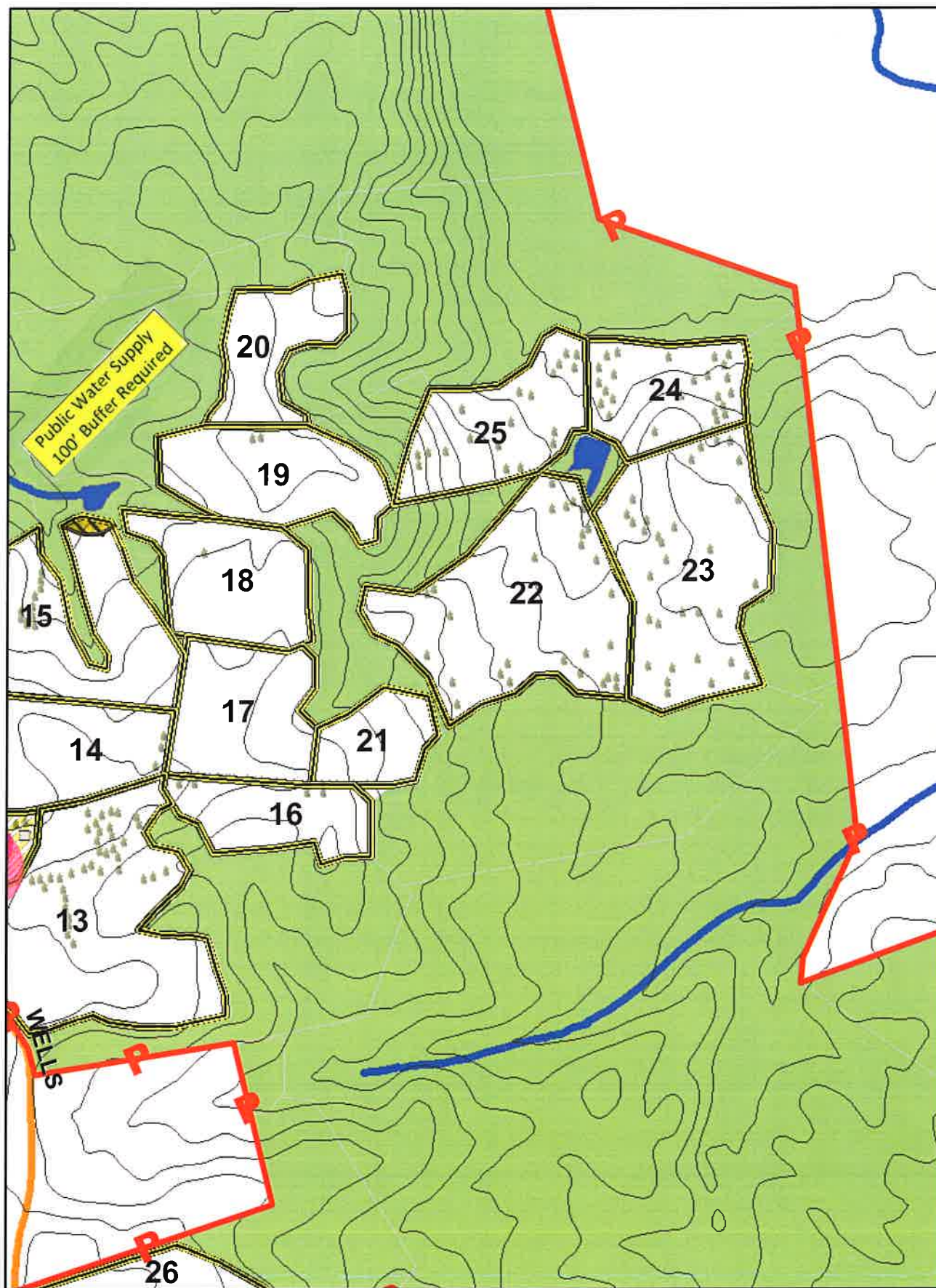


1-22-20

Site Map

1 in = 660 feet



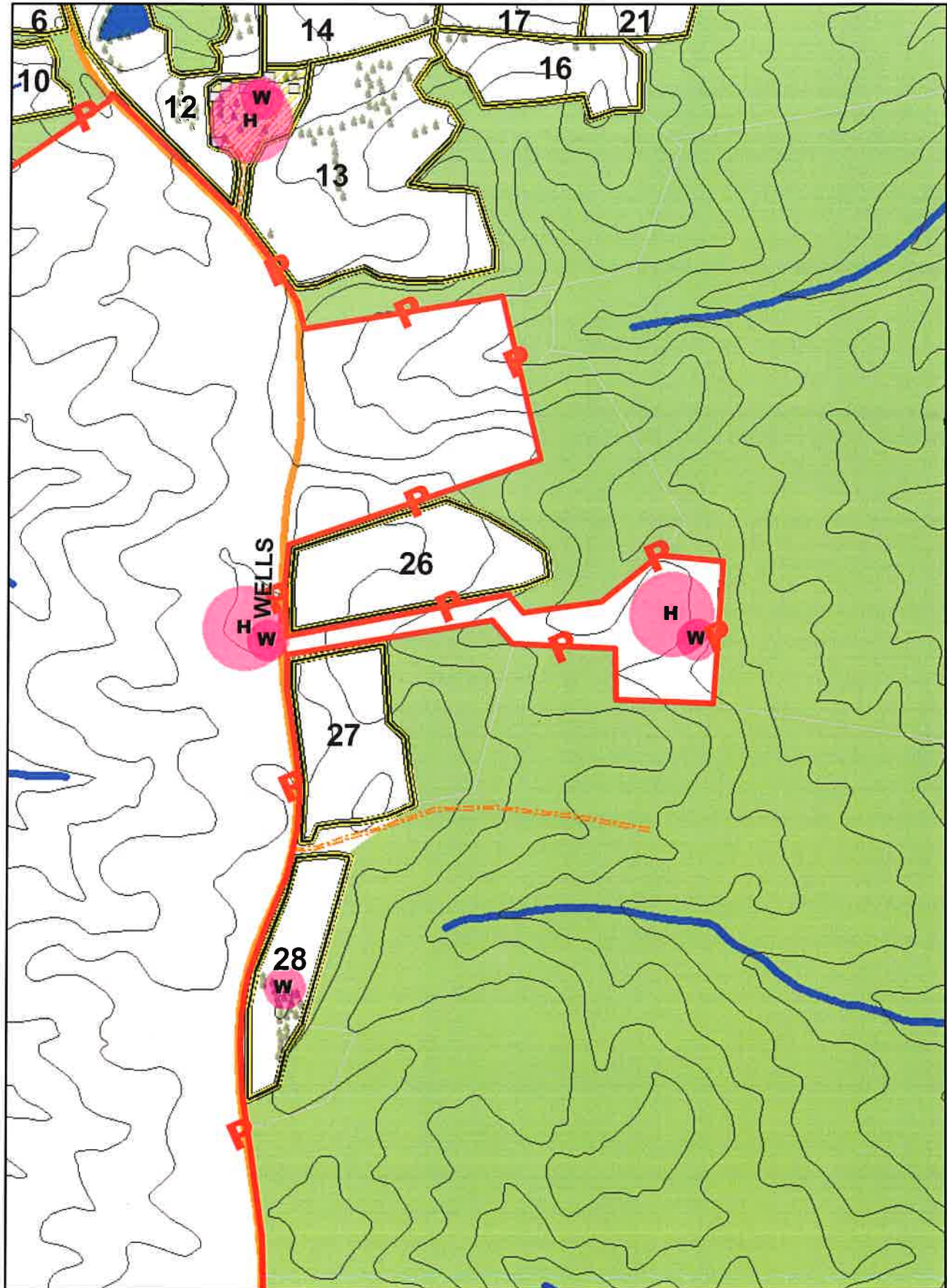


1-22-20

Site Map

1 in = 660 feet

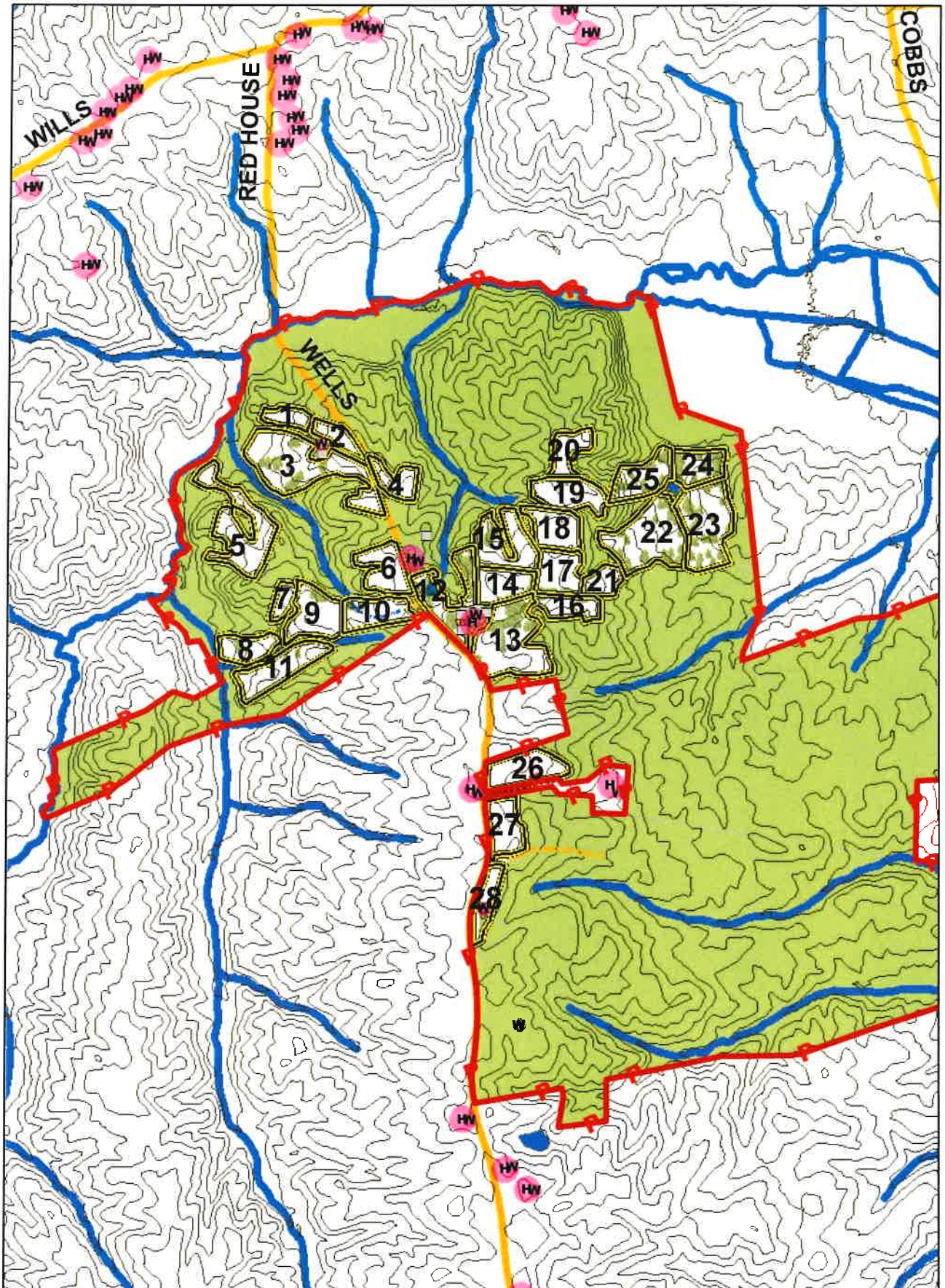




1-22-20

Site Map

1 in = 660 feet



1-22-20
4-30-21

Topographic Map

1 in = 2,000 feet